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- 1 Which, among the terms given, correctly complete the following verbal proportion? Concealed : hidden = X : Y
- A) X = bag; Y = sack
 - B) X = praiseworthy; Y = measurable
 - C) X = air; Y = oxygen
 - D) X = Sun; Y = Moon
 - E) X = relax; Y = fear
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- 2 Which, among the terms given, correctly complete the following verbal proportion? Beagle : dog = X : Y
- A) X = cat; Y = Siamese
 - B) X = Tabby; Y = cat
 - C) X = meow; Y = bark
 - D) X = feline; Y = cat
 - E) X = canine; Y = feline
-
- 3 Find the word that does NOT fit in with the others.
- A) An
 - B) In
 - C) With
 - D) For
 - E) Out
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- 4 Which, among the terms given, correctly complete the following verbal proportion? Peter the Great : Russia = X : Y
- A) X = Charles V; Y = Germany
 - B) X = Elizabeth I; Y = France
 - C) X = Louis XIV; Y = Austria
 - D) X = Louis XIV; Y = France
 - E) X = Elizabeth I; Y = Prussia
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- 5 Find the word that does NOT fit in with the others.
- A) Miami
 - B) San Francisco
 - C) Los Angeles
 - D) Santa Barbara
 - E) San Diego
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- 6 Which, among the terms given, correctly complete the following verbal proportion? X : mathematics = Bellini: Y
- A) X = Avogadro; Y = poetry
 - B) X = Einstein; Y = politics
 - C) X = Archimedes; Y = sculpture
 - D) X = Euler; Y = music
 - E) X = Thales; Y = philosophy

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- 7 Which of the following couples of terms is anomalous?
- A) Electron – proton
 - B) Galaxy – planet
 - C) Necklace – pearl
 - D) Poem – verse
 - E) Train – carriage
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- 8 Which, among the terms given, correctly complete the following verbal proportion? Blade of grass : garden = X : Y
- A) X = condominium; Y = flat
 - B) X = sheet; Y = mattress
 - C) X = book; Y = library
 - D) X = table; Y = chairs
 - E) X = tankard; Y = beer
-
- 9 Find the word that does NOT fit in with the others.
- A) Whale
 - B) Mouse
 - C) Walrus
 - D) Python
 - E) Dog
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- 10 Find the word that does NOT fit in with the others.
- A) Harp
 - B) Organ
 - C) Violin
 - D) Guitar
 - E) Contrabass
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- 11 Which, among the terms given, correctly complete the following verbal proportion? X : painting = Fleming : Y
- A) X = art; Y = sculpture
 - B) X = Einstein; Y = medicine
 - C) X = De Pisis; Y = mathematics
 - D) X = Magritte; Y = physics
 - E) X = Picasso; Y = medicine
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- 12 Which, among the terms given, correctly complete the following verbal proportion? Tie : neck = X : Y
- A) X = bag; Y = backpack
 - B) X = shoes; Y = shoe polish
 - C) X = watch; Y = wrist
 - D) X = bag; Y = shoes
 - E) X = trousers; Y = belt
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- 13 Which, among the terms given, correctly completes the following verbal proportion? Swallow : bird = dolphin : X
- A) X = sparrow
 - B) X = shellfish
 - C) X = fish
 - D) X = whale
 - E) X = mammal
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14 Which, among the terms given, correctly complete the following verbal proportion? **X : Lady with an Ermine = Y : Conversion on the Way to Damascus**

- A) X = Michelangelo; Y = Leonardo da Vinci
 - B) X = Leonardo da Vinci; Y = Caravaggio
 - C) X = Caravaggio; Y = Raphael
 - D) X = Titian; Y = Giorgione
 - E) X = Raphael; Y = Michelangelo
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15 "Some minerals are precious stones. The emerald is a precious stone". Select the option that, based only on the information given, infers a correct deduction.

- A) All precious stones are emeralds
 - B) All precious stones are minerals
 - C) None of the options given here answer the question
 - D) Some emeralds are minerals
 - E) The emerald is a mineral
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16 Which, among the terms given, correctly complete the following verbal proportion? **Lawyer : accused = X : Y**

- A) X = kitchen; Y = pizza
 - B) X = doctor; Y = patient
 - C) X = eggs; Y = breakfast
 - D) X = frame; Y = painter
 - E) X = condominium; Y = stairs
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17 Find the word that does NOT fit in with the others.

- A) Ricotta
 - B) Yogurt
 - C) Cheese
 - D) Lettuce
 - E) Cream
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18 Which, among the terms given, correctly complete the following verbal proportion? **First : X = Y : two**

- A) X = cardinal; Y = ordinal
 - B) X = second; Y = two
 - C) X = one; Y = second
 - D) X = two; Y = one
 - E) X = number; Y = cardinal
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19 Which, among the terms given, correctly complete the following verbal proportion? **Car : street = X : Y**

- A) X = train; Y = rails
 - B) X = tree; Y = roots
 - C) X = carriage; Y = avenue
 - D) X = iron; Y = tarmac
 - E) X = runs; Y = flows
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- 20 Which, among the terms given, correctly completes the following verbal proportion? X : mosaic = bricks : wall
- A) X = Colours
 - B) X = Floor
 - C) X = Fresco
 - D) X = Tesserae
 - E) X = Church
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- 21 Choose the alternative that does NOT fit in with the others.
- A) Joy
 - B) Fear
 - C) Hostility
 - D) Feeling
 - E) Dread
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- 22 Choose the alternative that does NOT fit in with the others.
- A) Pear
 - B) Plum
 - C) Peach
 - D) Apricot
 - E) Apple tree
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- 23 "Only if M and N, then P, but if M, then T and C". If the previous statement is correct, then it is NOT necessarily true that:
- A) if not M, then not P
 - B) if P, then T
 - C) if not T, then not P
 - D) if C and N, then P
 - E) if P, then C
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- 24 (A) According to Machiavelli, the Prince must often give his word in promises that bind him to enemies or allies; (B) but, when keeping his word can be detrimental to the State, the Prince must break his word. Only one of the statements listed below follows strictly from (A) and (B):
- A) any means is acceptable to the Prince, also from an ethical point of view
 - B) it is not good for Machiavelli that the Prince should pledge his word in promises
 - C) treason is not always reprehensible from an ethical point of view
 - D) in politics, those who are dishonest and have no scruples win
 - E) moral principles not always agree with Reason of State
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- 25 "All fair-haired people are rich; no one who is dark-haired is rich; all children are dark-haired". If these statements are true, then it is certainly FALSE that:
- A) not all children are not rich
 - B) no child is rich
 - C) not all dark-haired people are children
 - D) no one who is fair-haired is a child
 - E) not all rich people are fair-haired
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- 26 **"The early bird catches the worm; it is characteristic of lazy people not to catch any worm; whoever drinks a lot sleeps a lot". If these statements are correct, then it is certainly true that:**
- A) lazy people drink a lot
 - B) those who drink a lot do not catch any worm but that does not necessarily mean they are lazy
 - C) lazy people sleep
 - D) some lazy people sleep
 - E) only those who are lazy sleep and do not catch any worm
- 27 **"Near a lake the climate is always mild. Paris has a mild climate." Based on the previous information, which of the following statements is certainly correct?**
- A) To enjoy a mild climate you must go near a lake
 - B) Paris is not near a lake
 - C) Paris is near a lake
 - D) None of the other answers is correct
 - E) Cities with a mild climate are all by a lake
- 28 **"If Andrew is in the office, then Frances is at the coffee bar". If this statement is true, which of the following is certainly true?**
- A) Andrew and Frances cannot be together at the coffee bar
 - B) If Frances is not at the bar, then Andrew is out of the office
 - C) If Frances is at the bar, then Andrew is in the office
 - D) If Andrew is not in the office, then Frances is not at the coffee bar
 - E) If Andrew is in the office, Frances cannot be at the coffee bar
- 29 **"If and only if the patient is treated in time, the therapy will be effective". Based on this statement, it is necessarily true that:**
- A) for the therapy to be effective, frequent follow-up examinations are required
 - B) even if the patient is treated in time, the therapy might not be effective
 - C) the therapy might be effective even if the patient is not treated in time
 - D) the necessary but not sufficient condition for the therapy to be effective is that the patient should be treated in time
 - E) if the patient is not treated in time, the therapy will not be effective
- 30 **"If and only if I don't delegate part of my work, I will not be able to build a motivated work team". If this statement is true, then it is FALSE that:**
- A) if I am able to build a motivated work team, it is because I delegated part of my work
 - B) if I delegate part of my work I might not be able to build a motivated work team
 - C) if I am unable to build a motivated work team, it is because I did not delegate part of my work – if I do not delegate part of my work, I will not be able to build a motivated work team
 - D) the necessary and sufficient condition for my being unable to build a motivated work team is that I should not delegate part of my work
 - E) if I delegate part of my work I will be able to build a motivated work team
- 31 **If the statement "all the maps are incorrect" is FALSE, which of the following statements is necessarily true?**
- A) Some nautical charts are incorrect
 - B) For each correct map, at least two are incorrect
 - C) At least one map is correct
 - D) No map is incorrect
 - E) At least one map is incorrect

- 32 **“All postmen are cheerful. Patrick is a motorcyclist. All motorcyclists are cheerful”**. On the basis of these statements, which of the following is NOT necessarily true?
- A) There are no sad motorcyclists
 - B) Patrick is cheerful
 - C) Those who are not cheerful are not postmen
 - D) Some postmen may be motorcyclists
 - E) Patrick is a postman
- 33 **“All streets in Rome are lined with trees. This street is in Rome”**. Based on the previous information, which of the following statements is certainly correct?
- A) This street in summer is full with parked cars
 - B) This street is lined with trees
 - C) The most famous tree-lined street is in Rome
 - D) The only tree-lined streets are in Rome
 - E) None of the other answers is correct
- 34 **Identify the alternative to be rejected.**
- A) No parking
 - B) Dangerous descent
 - C) Falling rocks
 - D) Pedestrian crossing
 - E) Right bend
- 35 **“It has been demonstrated that in today’s society cost-of-living increase leads to a significant rise in the taking of loans from loan sharks by employees. Clearly, therefore, the lack of correspondence between the salaries set by employers and those required by employees is one of the causes of resorting to loans from usurers”**. This conclusion is based on the implicit premise that:
- A) the salaries set by employers are not satisfactory to employees
 - B) employees are increasingly indebted to usurers
 - C) the lack of correspondence between the salaries set by employers and those required by employees is one of the causes of cost-of-living increase
 - D) employees’ resorting to loans from usurers is caused by cost-of-living increase
 - E) none of the other alternatives is correct
- 36 **“Paul loves ice creams; ice creams are a dessert; whoever loves ice creams loves the sea”**. Based on the previous sentences, identify the right statement out of the following ones.
- A) Paul loves desserts
 - B) Paul eats ice creams at the seaside
 - C) Paul goes to the seaside only when he can eat ice creams
 - D) Those who love ice creams love all desserts
 - E) Paul loves the sea
- 37 **“A graduate from an Italian university should look for a job in England, where graduates’ salaries are higher”**. Which of the following, if true, would weaken the statement above?
- A) The English university system works better than the Italian
 - B) English salaries are paid in pounds, while Italian salaries are paid in euros
 - C) England’s cost of living is much higher than Italy’s
 - D) Degrees awarded by Italian universities are recognized in England and have the same value as those awarded by local universities
 - E) Employment opportunities for graduates in England are comparable to Italian opportunities

- 38 "It is sufficient for James to arrive in time for Robert to be part of the winning team". If this statement is true, which of the following is certainly true?
- A) Robert is not part of the winning team, even if James arrived in time
 - B) Robert will be part of the winning team only if James arrives in time
 - C) If James does not arrive in time, Robert will not be part of the winning team
 - D) If Robert is part of the winning team, then James arrived in time
 - E) Robert might be part of the winning team even if James did not arrive in time
- 39 "All sculptors are skilled draftsmen; Maurice is a skilled draftsman". Based on the previous information, which of the following statements is necessarily true?
- A) Maurice is not a sculptor
 - B) Only Maurice is a skilled draftsman
 - C) Maurice is certainly a sculptor
 - D) Skilled draftsmen are also sculptors
 - E) It is not possible to conclude that Maurice is a sculptor
- 40 "Only if the performance is in progress, the theatre audience will not keep their mobile phones on". Based on this statement, which of the following is NOT necessarily true?
- A) If the performance is not in progress, the audience will keep their mobile phones on
 - B) It is necessary that the performance be in progress for the audience to keep their mobile phones off
 - C) It is not sufficient that the performance be in progress for the audience to keep their mobile phones off
 - D) If the audience keeps their mobile phones off, it means that the performance is not in progress
 - E) If the audience does not keep their mobile phones on it means that the performance is in progress
- 41 "All birds can fly; Cheep Cheep is a bird; any animal with wings is a bird". Based on the previous information, which of the following statements does NOT represent a correct conclusion?
- A) An animal with no wings is not a bird
 - B) An animal that is not a bird has no wings
 - C) An animal with wings can fly
 - D) Cheep Cheep may not have wings
 - E) Cheep Cheep can fly
- 42 "All bricklayers are strong. Paul is strong". Based on the previous information, which of the following statements is necessarily correct?
- A) None of the other answers is correct
 - B) Paul is not a bricklayer
 - C) Paul is a bricklayer
 - D) All strong people are bricklayers
 - E) A few bricklayers are called Paul
- 43 "It is sufficient for the CEO not to miss the connecting flight, for the business meeting to take place". If this statement is true, which of the following is certainly true?
- A) The business meeting might not take place even if the CEO has not missed the connecting flight
 - B) If the business meeting takes place, it means that the CEO did not miss the connecting flight
 - C) If the CEO misses the connecting flight, then the business meeting does not take place
 - D) If the business meeting does not take place, it means that the CEO missed the connecting flight
 - E) The business meeting might take place even if the CEO missed the connecting flight

- 44 **"At least one of the dogs of the breeding kennel is not intelligent". If this statement is FALSE, then it is true that:**
- A) only one of the dogs of the breeding kennel is intelligent
 - B) all the dogs of the breeding kennel are intelligent
 - C) all domestic dogs are intelligent
 - D) none of the dogs of the breeding kennel is intelligent
 - E) some dogs of the breeding kennel are not intelligent
- 45 **"People who can sing in tune like to perform in public. Elton John is a singer. Singers can sing in tune". If the previous information is correct, which of the following statements is NOT necessarily correct?**
- A) There may be people who can sing in tune who are not singers
 - B) Even those who cannot sing in tune may like to perform in public
 - C) Some people may like to perform in public although they are not singers
 - D) Some singers may not like to perform in public
 - E) Elton John likes to perform in public
- 46 **"All Ss are Ls; no F is L; a few Fs are Ms". If the previous statements are correct, then it is certainly NOT true that:**
- A) not all Ms are surely also Fs
 - B) some Ms can be Ls
 - C) no F can be S
 - D) some Ls might not be Ss
 - E) no M can be S
- 47 **"It is sufficient to eat little to lose weight". If this statement is true, then it is also true that:**
- A) if you eat little, perhaps you will lose weight
 - B) if you do not lose weight, it means you have not eaten little
 - C) if you lose weight it means you have eaten little
 - D) if you do not eat little, you do not lose weight
 - E) in order to lose weight, it is necessary to eat little
- 48 **"Only if Walter arrives on time can Bruno leave with the car". If this statement is true, then it is certainly true that:**
- A) if Bruno has not left with the car, it means that Walter has not arrived on time
 - B) if Walter arrived on time, it means that Bruno has certainly left with the car
 - C) the sufficient condition for Bruno to leave with the car is that Walter arrive on time
 - D) if Bruno left with the car, it means that Walter arrived on time
 - E) Walter and Bruno are leaving on vacation together
- 49 **"Veronique is a good student. All Pharmacy students are good students. All good students are well prepared". Given these premises, one can deduce that:**
- A) Veronique is a Pharmacy student
 - B) Veronique is well prepared
 - C) all well prepared students are good students
 - D) only a few Pharmacy students are well prepared
 - E) only a few good students are well prepared

- 50 The statement "All students passed at least two exams" is FALSE if and only if:
- A) none of the other statements is the negation of the initial statement
 - B) there is at least one student who passed less than two exams
 - C) there is at least one student who passed more than two exams
 - D) no student passed two exams
 - E) all students passed at least one exam
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- 51 "To obtain the transfer, it is sufficient to receive authorization from the Human Resources Manager". If this statement is true, which of the following is certainly true?
- A) The Human Resources Manager must be informed of any transfer request
 - B) With authorization from the Human Resources Manager you obtain the transfer
 - C) The transfer cannot be obtained without authorization from the Human Resources Manager
 - D) If the transfer has been obtained, authorization from the Human Resources Manager has certainly been obtained
 - E) To obtain the transfer, authorization from at least two people is required
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- 52 "All bartenders drink wine. Whoever drinks wine is merry. Whoever is merry is not boring". If the previous information is true, which of the following statements is necessarily FALSE?
- A) All bartenders are merry
 - B) A few bartenders are boring
 - C) If somebody is not merry he might not be boring
 - D) Merry people may be teetotal
 - E) Whoever drinks wine could be a bartender
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- 53 "If you practice on the computer diligently, then you will pass the final test for the European Computer Driving Licence. Only if you pass the final test for the European Computer Driving Licence can you obtain the European Computer Driving Licence". If these statements are true, which of the following is certainly NOT true?
- A) If you obtained the European Computer Driving Licence, then you passed the last test for the European Computer Driving Licence
 - B) If you do not pass the last test for the European Computer Driving Licence, then you did not practice on the computer diligently
 - C) Practicing on the computer is the sufficient condition to pass the last test for the European Computer Driving Licence
 - D) Passing the last test for the European Computer Driving Licence is the necessary condition for obtaining the European Computer Driving Licence
 - E) If you obtained the European Computer Driving Licence, then you practiced on the computer diligently
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- 54 "Michael and Daniel must change office so that Annie can work with Martha". If this sentence is true, which of the following statements is FALSE?
- A) Michael and Daniel change office, but this is not sufficient for Annie to work with Martha
 - B) If Annie works with Martha, it is because Michael and Daniel have changed office
 - C) If Michael and Daniel don't change office, Annie will not work with Martha
 - D) If Michael and Daniel change office, Annie will certainly work with Martha
 - E) Annie will work with Martha provided that Michael and Daniel change office

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- 55 **"John will complete the puzzle if and only if Frank will give him a hand". If this statement is true, it can be concluded that:**
- A) if John completes the puzzle, it means that Frank gave him a hand
 - B) Frank is better than John at completing puzzles
 - C) John may complete the puzzle even if Frank didn't give him a hand
 - D) if Frank doesn't help John, the latter might complete the puzzle anyway
 - E) Frank and John are friends
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- 56 **"Julia loves biscuits. Biscuits are sweets. Those who love biscuits love mountains". Based on these statements, which of the following is certainly true?**
- A) Julia loves all kinds of sweets
 - B) Julia loves mountains
 - C) Those who love biscuits love all sweets
 - D) Julia loves mountains only when she eats biscuits
 - E) Julia loves all the sweets she eats on the mountains
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- 57 **"If you don't play I won't have fun". If this statement is true, then it is surely true that:**
- A) you must play in order for me to have fun
 - B) only if you play I will have fun
 - C) playing is the only way to have fun
 - D) if I don't have fun it is because you don't play
 - E) if I have fun it is because you play
-
- 58 **"Louisa is a mountain guide. All people who run a mountain hut are also mountain guides. During the summer, all mountain guides go hiking at least 5 times a week". If these statements are true, which of the following statements is necessarily true?**
- A) Louisa goes hiking every day during the summer
 - B) All mountain guides are also mountain hut managers
 - C) Louisa runs a mountain hut
 - D) All mountain guides who go hiking at least 5 times a week during the summer run a mountain hut
 - E) All people who run a mountain hut go hiking at least 5 times a week in summer
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- 59 **"When she is tested, Anna is scared. But if no one tests Anna, her father gets worried. Yesterday Anna's father did not get worried". If these statements are true, which of the following conclusions CANNOT be inferred with certainty?**
- A) Yesterday Anna was scared and her father did not get worried
 - B) Anna was not scared
 - C) If Anna were tested by her father, she would be scared
 - D) Anna was scared
 - E) If Anna is tested, she is scared
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- 60 **"Two-headed dogs are living beings. All living beings feed". If these two statements are true, which of the following statements is surely correct?**
- A) My dog has got two heads because it feeds
 - B) Some two-headed dogs do not feed
 - C) All two-headed dogs, with no exceptions, feed
 - D) Some two-headed dogs are actually living beings
 - E) There are no living dogs with two heads
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- 61 "Every teacher has got at least one pupil". If this statement is true, which of the following conclusions is certainly FALSE?
- A) There are teachers with a lot of pupils
 - B) There is a teacher with only one pupil
 - C) There is only one teacher without pupils
 - D) There are no teachers without pupils
 - E) Every pupil has got a teacher
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- 62 "Only if the little boy cries, will his mother buy him a toy". Based on the given statement, it is necessarily true that:
- A) Mother is spoiling her child
 - B) if Mother does not buy a toy for her little boy, it means that he did not cry
 - C) if the little boy does not cry, his mother won't buy him a toy
 - D) if the little boy cries, his mother will buy him a toy sooner or later
 - E) if the little boy cries, surely his mother won't buy him a toy
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- 63 "If and only if I have ended my meal, will I wash the dishes". Based on this statement, which of the following statements is necessarily true?
- A) Sometimes, even if I have ended my meal, I don't wash the dishes
 - B) If I wash the dishes it means I have ended my meal
 - C) I wash the dishes only before going to bed
 - D) When I wash the dishes it must not be taken for granted that I have ended my meal
 - E) I wash the dishes soon after eating my dessert
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- 64 "Harriet invites Lauren to dinner if and only if Lauren agrees to cook". If this statement is correct, then it CANNOT be concluded that:
- A) Harriet will not invite Lauren if Lauren does not agree to cook
 - B) if Lauren does not agree to cook, then Harriet will not invite her to dinner
 - C) if Harriet does not cook, Lauren won't have dinner at Harriet's
 - D) if Lauren agrees to cook, then Harriet will invite her to dinner
 - E) only if Lauren does not agree to cook, won't Harriet invite her to dinner
-
- 65 "If O then H and if H then M and only if M then N". If this statement is true, then it is certainly true that:
- A) if not N then not M
 - B) if N then O
 - C) if M then O
 - D) if N then H
 - E) if not M then not O
-
- 66 "Albert will complete the procedure if, and only if, he goes to work also on Saturday". If this statement is true, then it is also true that:
- A) if Albert goes to work on Saturday, he might still not complete the procedure
 - B) the necessary but not sufficient condition for Albert to complete the procedure is that he go to work on Saturday
 - C) Albert must work on Saturday if he wants to avoid being fired
 - D) if Albert goes to work on Saturday, then he will certainly complete the procedure
 - E) Albert might not complete the procedure even if he goes to work on Saturday
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- 67 Let **P** be the proposition "**x is divisible by 8**" and **Q** the proposition "**x is divisible by 4**". Then:
- A) the negation of **Q** implies **P**
 - B) **Q** implies **P**
 - C) the negation of **P** implies the negation of **Q**
 - D) **P** implies **Q**
 - E) **P** is equivalent to **Q**
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- 68 "**All teachers are educated; Frederick is a tennis player; all tennis players are educated**". Based on these statements, which of the following is **NOT** necessarily true?
- A) There are no uneducated tennis players
 - B) Frederick is educated
 - C) There may be at least one teacher who plays tennis
 - D) Frederick is a teacher
 - E) Those who are uneducated are not teachers
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- 69 "**In every restaurant there is a smokers' room**". If this statement is **FALSE**, which of the following sentences is **certainly true**?
- A) All restaurants have a smokers' room
 - B) There is at least one restaurant without a smokers' room
 - C) In no restaurant there is a smokers' room
 - D) Some restaurants have a smokers' room
 - E) No restaurant has got a smokers' room
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- 70 "**Mark is richer than Paul. Julian, who is richer than Luke, is less rich than Mark**". These pieces of information are sufficient to say that:
- A) Mark is the richest
 - B) Paul is the poorest
 - C) Luke is the poorest
 - D) Julian is richer than Paul
 - E) Paul is richer than Luke
-
- 71 "**If what you say is true, we will soon find the culprit**". If this statement is true, then it is **NOT necessarily true** that:
- A) if we find the culprit soon, it is because what you say is true
 - B) the fact that what you say is true is a sufficient condition for finding the culprit soon
 - C) the fact that what you say is true is not a necessary and sufficient condition for finding the culprit soon
 - D) the fact that what you say is true is not a necessary condition for finding the culprit soon
 - E) if we do not find the culprit soon, it is because what you say is not true
-
- 72 "**No computer can replace the human brain**". If this statement is **FALSE**, we can be sure that:
- A) there aren't any computers that can replace the human brain
 - B) there is at least one computer that can replace the human brain
 - C) there is only one computer that can replace the human brain
 - D) there are several computers that can replace the human brain
 - E) the human brain cannot be replaced
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- 73 **A brunette and a blonde are hidden behind a curtain. Girl X says: "I've got brown hair", while girl Y says: "I've got blond hair". It is known that at least one girl is lying. Then:**
- A) X is lying and Y is telling the truth
 - B) Y is blond
 - C) Y is lying and X is telling the truth
 - D) X is the brunette
 - E) both are lying
-
- 74 **"Liars are unfair; liars are humans; then ... are unfair". Decide which of the following answers correctly completes this syllogism.**
- A) all humans
 - B) liars
 - C) some liars
 - D) some fair humans
 - E) some humans
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- 75 **Identify the alternative that does NOT fit with the others.**
- A) Clear
 - B) Clean
 - C) Pure
 - D) Sparkling
 - E) Spotless
-
- 76 **Identify the alternative that does NOT fit with the others.**
- A) Pepper
 - B) Flour
 - C) Salt
 - D) Parsley
 - E) Oregano
-
- 77 **Choose the odd word out.**
- A) Kansas
 - B) Panama
 - C) Nevada
 - D) Ohio
 - E) Texas
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- 78 **Which of the terms given correctly complete the following verbal proportion? Bigger : decreased = X : Y**
- A) X = tall; Y = raised
 - B) X = expanded; Y = small
 - C) X = minor; Y = minimum
 - D) X = size; Y = bulk
 - E) X = smaller; Y = increased
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- 79 **Which of the terms given correctly completes the following verbal proportion? Beaver : X = whale : cetacean**
- A) X = animal
 - B) X = rodent
 - C) X = palmiped
 - D) X = marsupial
 - E) X = acorn
-

80 Identify the alternative that does not fit with the others.

- A) Vienna
 - B) Stockholm
 - C) Milan
 - D) London
 - E) Oslo
-

81 Which of the terms given correctly completes the following verbal proportion? Rifle : weapon = tulip : X

- A) X = gun
 - B) X = vase
 - C) X = flower
 - D) X = Holland
 - E) X = gardenia
-

82 Which of the terms given correctly complete the following verbal proportion? To disturb : X = to galvanize : Y

- A) X = to bother; Y = to excite
 - B) X = to soothe; Y = to exalt
 - C) X = to hassle; Y = to discourage
 - D) X = to molest; Y = to win
 - E) X = to avert; Y = to humiliate
-

83 Identify the alternative that does NOT fit with the others.

- A) Liver
 - B) Organ
 - C) Heart
 - D) Intestine
 - E) Lung
-

84 Which, among the terms given, correctly completes the following verbal proportion? Capitals : X = Chemical elements : Y

- A) X = atlas; Y = periodic table
 - B) X = lines; Y = dots
 - C) X = States; Y = neutrons
 - D) X = customs; Y = microscopes
 - E) X = maps; Y = water
-

85 Which, among the terms given, correctly completes the following verbal proportion? Danube : X = Vistula : Y

- A) X = Prague; Y = Madrid
 - B) X = Moscow; Y = Budapest
 - C) X = Bucarest; Y = Istanbul
 - D) X = Saint Petersburg; Y = Warsaw
 - E) X = Vienna; Y = Warsaw
-

86 Choose the alternative that does NOT fit in the group.

- A) Milan
 - B) Bucarest
 - C) Belgrade
 - D) Valletta
 - E) Bern
-

87 Choose the alternative that does NOT fit in the group.

- A) Joan Miró
 - B) Charles Baudelaire
 - C) Pablo Picasso
 - D) Édouard Manet
 - E) Claude Monet
-

88 Choose the alternative that does NOT fit in the group.

- A) Ebre
 - B) Volga
 - C) Danube
 - D) Caspian
 - E) Rhone
-

89 Which, among the terms given, correctly completes the following verbal proportion? Comedian : X = preacher : Y

- A) X = cheerful; Y = God
 - B) X = show; Y = faith
 - C) X = pulpit; Y = gesticulation
 - D) X = joke; Y = sermon
 - E) X = sad; Y = gloomy
-

90 Choose the alternative that does NOT fit in the group.

- A) Marseille
 - B) Lyon
 - C) Strasbourg
 - D) Bordeaux
 - E) Geneva
-

91 Choose the alternative that does NOT fit in the group.

- A) Tanzania
 - B) Nairobi
 - C) Sudan
 - D) Egypt
 - E) Somalia
-

92 Choose the alternative that does NOT fit in the group.

- A) Firefly
 - B) Mosquito
 - C) Cobra
 - D) Dragonfly
 - E) Hornet
-

93 Choose the alternative that does NOT fit in the group.

- A) Rimskij-Korsakov
 - B) Kornilov
 - C) Rachmaninov
 - D) Čajkovskij
 - E) Prokof'ev
-

94 Choose the alternative that does NOT fit in the group.

- A) Pacific
 - B) Ionian
 - C) Dead
 - D) Thyrrenian
 - E) Red
-

95 Choose the alternative that does NOT fit in the group.

- A) Football
 - B) Volleyball
 - C) Basketball
 - D) Triathlon
 - E) Rugby
-

96 Choose the alternative that does NOT fit in the group.

- A) Chile
 - B) Brazil
 - C) Argentina
 - D) Peru
 - E) Mexico
-

97 Which, among the terms given, correctly completes the following verbal proportion? Elbow : X = knee : leg

- A) X = forearm
 - B) X = femur
 - C) X = tibia
 - D) X = armpit
 - E) X = arm
-

98 Which, among the terms given, correctly completes the following verbal proportion? Impoverish : X = acquit : Y

- A) X = enrich; Y = free
 - B) X = exploit; Y = punish
 - C) X = deprive; Y = discharge
 - D) X = make rich; Y = set free
 - E) X = ruin; Y = neglect
-

99 Which, among the terms given, correctly completes the following verbal proportion? Hair stylist : comb = X : Y

- A) X = taxi driver; Y = car
 - B) X = musician; Y = singer
 - C) X = journalist; Y = magazine
 - D) X = sculptor; Y = statue
 - E) X = goniometer; Y = geometrician
-

100 Which, among the terms given, correctly completes the following verbal proportion? Peach : X = shark : Y

- A) X = fruit; Y = fish
 - B) X = hook; Y = shellfish
 - C) X = frog; Y = pond
 - D) X = fishing line; Y = seaweed
 - E) X = apricot; Y = pear
-

-
- 101 Which, among the terms given, correctly completes the following verbal proportion? Rigid : elastic = X : sensitive
- A) X = flexible
 - B) X = indifferent
 - C) X = emotional
 - D) X = simple
 - E) X = sensorial
-
- 102 Which, among the terms given, correctly completes the following verbal proportion? Lumberjack : chain saw = X : Y
- A) X = carpenter; Y = floor
 - B) X = tongs; Y = nippers
 - C) X = tree; Y = wood
 - D) X = lawyer; Y = camera
 - E) X = carpenter; Y = planer
-
- 103 Which, among the terms given, correctly completes the following verbal proportion? Collar = shirt = X : Y
- A) X = sleeve; Y = cloth
 - B) X = heel; Y = shoe
 - C) X = button; Y = buttonhole
 - D) X = hat; Y = head
 - E) X = needle; Y = thread
-
- 104 Which, among the terms given, correctly completes the following verbal proportion? X : whole = slice : cake
- A) X = fraction
 - B) X = candle
 - C) X = birthday
 - D) X = multiple
 - E) X = decimal
-
- 105 Which, among the terms given, correctly completes the following verbal proportion? Synopsis : analysis = X : Y
- A) X = synthesis; Y = wait
 - B) X = ironic; Y = cutting
 - C) X = wary; Y = farsighted
 - D) X = biting; Y = kind
 - E) X = analysis; Y = logical
-
- 106 Which, among the terms given, correctly completes the following verbal proportion? X : Apostles = 4 : Y
- A) X = Saint Peter; Y = Saint Lucas
 - B) X = 11; Y = Bible
 - C) X = John the Baptist; Y = even numbers
 - D) X = 12; Y = Evangelists
 - E) X = Gospels; Y = 3
-

- 107 Which, among the terms given, correctly completes the following verbal proportion? Numismatics : **X = Philately : Y**
A) X = cinema; Y = stamp
B) X = coin; Y = cinema
C) X = stamp; Y = coin
D) X = cinema; Y = coin
E) X = coin; Y = stamp
- 108 Which, among the terms given, correctly completes the following verbal proportion? Deferential : **disrespectful = X : melancholy**
A) X = ill-famed
B) X = gloomy
C) X = humid
D) X = joyful
E) X = sad
- 109 Which, among the terms given, correctly completes the following verbal proportion? Usual : **ordinary = X : Y**
A) X = false; Y = genuine
B) X = patient; Y = mild
C) X = fearful; Y = glad
D) X = casual; Y = methodical
E) X = hoary; Y = hoarse
- 110 Which, among the terms given, correctly completes the following verbal proportion? Money: euro = **X : Y**
A) X = tree; Y = apple
B) X = mammals; Y = plants
C) X = nephew; Y = son
D) X = ships; Y = cruiser
E) X = purchase; Y = spend
- 111 Which, among the terms given, correctly completes the following verbal proportion? Rough : X = **recalcitrant : compliant**
A) X = submissive
B) X = smooth
C) X = white-haired
D) X = coarse
E) X = shiny
- 112 Which, among the terms given, correctly completes the following verbal proportion? Leopard : turtle = **X : Y**
A) X = mammal; Y = reptile
B) X = white; Y = speckled
C) X = slow; Y = fast
D) X = feral cat; Y = amphibious
E) X = meek; Y = savage

113 Which, among the terms given, correctly completes the following verbal proportion? Fit : suitable = X : Y

- A) X = inaccessible; Y = water-proof
- B) X = calm; Y = impulsive
- C) X = soldier; Y = general
- D) X = impetuous; Y = passionate
- E) X = able; Y = sensitive

114 Which, among the terms given, correctly completes the following verbal proportion? Antonio Canova : X = Gian Lorenzo Bernini: Y

- A) X = Neoclassicism; Y = Romanticism
- B) X = Neoclassicism; Y = Baroque
- C) X = Baroque; Y = Neoclassicism
- D) X = Manierism; Y = Dadaism
- E) X = Renaissance; Y = Romanticism

115 Which, among the terms given, correctly completes the following verbal proportion? Stendhal : The Charterhouse of Parma = X : Y

- A) X = Kafka; Y = The Old Man and the Sea
- B) X = Hemingway; Y = The Metamorphosis
- C) X = Zola; Y = Les Misérables
- D) X = Molière; Y = The Trial
- E) X = Marquez; Y = One Hundred Years of Solitude

116 "The theory according to which the postponement of the concert should not be attributed to the singer's illness is to be excluded". Based on this statement, determine which of the following alternatives is correct.

- A) Despite the singer's illness, the concert has not been postponed
- B) The concert has been postponed despite the singer's good health conditions
- C) If the singer is ill, it is best to postpone the concert
- D) The postponement of the concert is to be attributed to the singer's illness
- E) The postponement of the concert should not be attributed to the singer's illness

117 Which, among the terms given, correctly completes the following verbal proportion? Anaesthetist : narcosis = X : Y

- A) X = journalist; Y = article
- B) X = poison; Y = antidote
- C) X = bookseller; Y = book
- D) X = physician; Y = patient
- E) X = mason; Y = brick

118 "A comparison between the two songs did not help to demonstrate the impossibility for singer Pepper to have copied singer Salt's song". Which of the following is the correct meaning of this statement?

- A) It is impossible for singer Pepper to have copied singer Salt's song
- B) A comparison between the two songs demonstrated that singer Pepper can be convicted of plagiarism
- C) A comparison between the two songs demonstrated that singer Pepper copied singer Salt's song
- D) A comparison between the two songs did not demonstrate that singer Pepper did not copy singer Salt's song
- E) A comparison between the two songs demonstrated that singer Pepper cannot have copied singer Salt's song

- 119 **"It is wrong not to admit that the shortage of snow did not prevent the regular performance of the skiing competition". Based on this statement, determine which of the following alternatives is correct.**
- A) The skiing competition took place regularly despite the shortage of snow
 - B) It must be admitted that the skiing competition did not take place regularly
 - C) It can be said that the shortage of snow was enough to prevent the regular performance of the skiing competition
 - D) The shortage of snow effectively prevented the regular performance of the skiing competition
 - E) The skiing competition took place regularly thanks to an abundance of snow
- 120 **"Based on information in his possession, the reporter wrote that the theory according to which the fire was not arson is false". On the basis of this statement, which of the following is true?**
- A) The fire is arson, based on information in the reporter's possession
 - B) The fire is not arson, based on information in the reporter's possession
 - C) It is certain that the fire is not arson
 - D) There are no valid grounds to assert that the fire is not arson
 - E) Information in the reporter's possession led him into error
- 121 **"It is wrong not to admit that the doctor's competence did not prevent the prognosis from being incorrect". Based on this statement, determine which of the following is correct.**
- A) Thanks to the doctor's competence, the prognosis was not incorrect
 - B) It must be admitted that the doctor was not competent
 - C) The prognosis was incorrect despite the doctor's competence
 - D) Only a competent doctor can make a correct diagnosis
 - E) The prognosis was correct despite the doctor's incompetence
- 122 **"According to acquired data, the technicians established that the news according to which failure to supply electricity was not caused by on them was not false". On the basis of this statement, which of the following is true?**
- A) The technicians did not perform their work with professionalism
 - B) Failure to supply electricity was caused by the technicians, according to data they acquired
 - C) The acquired data were contested by the technicians
 - D) According to acquired data, it is not possible to determine whether failure to supply electricity was caused by the technicians
 - E) Failure to supply electricity was not caused by the technicians, according to acquired data
- 123 **"According to what the guide reported, the theory according to which the longer trail is not less hard than the one with a greater slope is not false". Based on this statement, which of the following is true?**
- A) According to the guide, the longer trail is not less hard than that with a greater slope
 - B) According to the guide, the longer trail is less hard than that with a greater slope
 - C) You cannot trust guides' directions
 - D) The guide does not specify whether the longer trail is more or less hard than that with a greater slope
 - E) The longer trail is much less hard than that with a greater slope
- 124 **"It is wrong not to admit that the chef's ability did not prevent the gala dinner from being unsuccessful". Based on this statement, determine which of the following alternatives is correct.**
- A) It takes an excellent chef to prepare a successful gala dinner
 - B) It must be admitted that the chef was not successful at preparing the gala dinner
 - C) The gala dinner was successful thanks to the chef's ability
 - D) The gala dinner was unsuccessful despite the chef's ability
 - E) The gala dinner was successful despite the chef's ineptitude

-
- 125 **"Based on ticket sales data, the cinema owner established that the news according to which the film is not successful is not false". On the basis of this statement, which of the following is true?**
- A) The film is successful despite ticket sales data
 - B) Based on ticket sales data the film is successful
 - C) Based on ticket sales data the film is not successful
 - D) Thanks to ticket sales data, the cinema owner was able to spread the news that the film is not successful
 - E) Ticket sales data are not reliable
-
- 126 **"The finding of some manuscripts did not help to demonstrate the impossibility that the novel can be authentic". Which of the following is the correct meaning of this statement?**
- A) It is impossible for the novel to be authentic
 - B) The finding of some manuscripts did not demonstrate that the novel is not authentic
 - C) Among the manuscripts that were found, there are none that would demonstrate the possibility that the novel may be authentic
 - D) The finding of some manuscripts demonstrated that the novel cannot be authentic
 - E) The finding of some manuscripts demonstrated that the novel is authentic
-
- 127 **"Medical research has not helped to demonstrate the impossibility that gastric ulcer is a hereditary disease". Which of the following is the correct meaning of this statement?**
- A) It is impossible that gastric ulcer is a hereditary disease
 - B) Medical research has demonstrated that gastric ulcer is a hereditary disease
 - C) Medical research has not demonstrated that gastric ulcer is not a hereditary disease
 - D) Medical research does not always have all the answers
 - E) Medical research has demonstrated that gastric ulcer cannot be a hereditary disease
-
- 128 **"The market research did not help to demonstrate the impossibility that the new windbreaker model will meet the taste of young people". Which of the following is the correct meaning of this statement?**
- A) The statistical sample used for the market research is not representative of young people's taste in clothing
 - B) The market research demonstrated that the new windbreaker model will meet the taste of young people
 - C) The market research demonstrated that the new windbreaker model cannot meet the taste of young people
 - D) The market research did not demonstrate that the new windbreaker model will not meet the taste of young people
 - E) It is impossible for the new windbreaker model to meet the taste of young people
-
- 129 **"It is not possible to deny the non-existence of an automobile equipped with a hydraulic park brake". Which of the following is the correct meaning of this statement?**
- A) All automobiles are equipped with a hydraulic park brake
 - B) There are no automobiles equipped with a hydraulic park brake
 - C) Automobiles equipped with a hydraulic park brake are more common than those with a mechanical park brake
 - D) There is at least one automobile equipped with a hydraulic park brake
 - E) Hydraulic park brakes are installed in all automobiles
-

-
- 130 **"It is wrong not to admit that the prolonged drought did not prevent the vintage from being abundant". Based on this statement, determine which of the following is correct.**
- A) The vintage was abundant despite the prolonged drought
 - B) It must be admitted that the drought was not prolonged
 - C) Because of the prolonged drought the vintage was scarce
 - D) It cannot be affirmed that a prolonged drought may cause a scarce vintage
 - E) A scarce vintage is never the consequence of a prolonged drought
-
- 131 **"It is wrong not to admit that the precautions taken did not prevent the boat from capsizing". Based on this statement, determine which of the following is correct.**
- A) If precautions had been taken, the boat would not have capsized
 - B) Thanks to the precautions taken the boat did not capsize
 - C) The boat capsized despite the precautions taken
 - D) It may be affirmed that the precautions taken were not sufficient to prevent the boat from capsizing
 - E) The precautions that can be taken to prevent a boat from capsizing are ineffective
-
- 132 **"A review of the curriculum vitae did not help to demonstrate the impossibility that the candidate is eligible for hiring". Which of the following is the correct meaning of this statement?**
- A) A review of the curriculum vitae did not demonstrate that the candidate is not eligible for hiring
 - B) It is impossible for the candidate to be eligible for hiring
 - C) A review of the candidate's curriculum vitae demonstrated that he is eligible for hiring
 - D) A review of the candidate's curriculum vitae demonstrated that the candidate cannot be eligible for hiring
 - E) The candidate's curriculum vitae is excellent, but not suitable for hiring
-
- 133 **"Based on the technical department's data, the Mayor recognized that it is not false to say that the project is not feasible". On the basis of this statement, which of the following is true?**
- A) According to the technical department's data, the Mayor had to recognize that the project is feasible
 - B) According to the technical department's data the project is feasible
 - C) According to the Mayor's data the project is not feasible
 - D) The Mayor needs data from the technical department in order to assess project feasibility
 - E) According to the technical department's data the project is not feasible
-
- 134 **"Not all veterinarians exclude that the prevention campaign avoided the death of many animals". Based on this statement, determine which of the following is correct.**
- A) No veterinarian maintains that the prevention campaign avoided the death of many animals
 - B) At least one veterinarian believes that the prevention campaign may have avoided the death of many animals
 - C) According to many veterinarians, many animals died despite the prevention campaign
 - D) Only one veterinarian is convinced that the prevention campaign avoided the death of many animals
 - E) All veterinarians are convinced that the prevention campaign avoided the death of many animals
-
- 135 **"Not all team mates exclude that the referee may have prevented the opponents from being beaten". Based on this statement, determine which of the following is necessarily true.**
- A) At least one team mate believes that it is possible that the referee may have prevented the opponents from being beaten
 - B) None of the team mates maintains that the referee prevented the opponents' defeat
 - C) According to many team mates, the opponents lost despite the referee's intervention
 - D) The referee certainly influenced the result of the match
 - E) Some of the team mates believe that the referee favoured the opponents
-

- 136 **“Not all those present exclude that it was the motorist who prevented the pedestrian from being run over”. Based on this statement, determine which of the following is necessarily true.**
- A) The running over of the pedestrian was avoided despite the motorist's behaviour
 - B) None of those present maintains that the motorist avoided running over the pedestrian
 - C) According to many of those present, the pedestrian was run over although the motorist had braked
 - D) At least one of those present believes that the motorist may have prevented the pedestrian from being run over
 - E) Some of those present say that the motorist did not prevent the pedestrian from being run over
-
- 137 **“It is absurd to deny the non-existence of a witness who saw the countess' assassination being committed”. This statement means that:**
- A) it is certain that there is at least one person who witnessed the countess' assassination
 - B) many witnesses saw the countess' assassination being committed
 - C) there are no witnesses who saw the countess' assassination being committed
 - D) we are dealing with a very complicated murder case
 - E) the countess' assassination was seen by at least one witness
-
- 138 **“The postman's deposition did not help to demonstrate the impossibility that the letter had been mailed on Christmas day”. Which of the following is the correct meaning of this statement?**
- A) The postman's deposition demonstrated that the letter could not have been mailed on Christmas day
 - B) It is possible for the letter to have been mailed on Christmas day
 - C) It is impossible for the letter to have been mailed on Christmas day
 - D) The postman's deposition did not demonstrate that the letter had not arrived on Christmas day
 - E) It is possible that the postman may have delivered the letter on Christmas day
-
- 139 **“The black box examination did not help to demonstrate the impossibility that the crash was the pilot's fault”. Which of the following is the correct meaning of this statement?**
- A) The black box examination did not demonstrate that the crash was not the pilot's fault
 - B) It is impossible that the crash was the pilot's fault
 - C) The black box examination demonstrated that the crash was the pilot's fault
 - D) The black box does not always provide an understanding of the causes of air accidents
 - E) The black box examination demonstrated that the crash was not the pilot's fault
-
- 140 **“It cannot be excluded that, if Frank had not edited it, the book would have contained a great number of errors”. On the basis of this statement, which of the following is certainly true?**
- A) It is possible that the book would have contained a great number of errors if Frank had not edited it
 - B) The book would have contained a great number of errors if Frank had not edited it
 - C) The book would have contained a great number of errors if Frank had edited it
 - D) It cannot be excluded that, if Frank had edited it, the book would not have contained a great number of errors
 - E) If the book had contained a great number of errors, it is possible that the Frank would not have edited it.

- 141 **"It cannot be excluded that, if David had not lost his eyeglasses, the musical composition would have been performed perfectly". On the basis of this statement, which of the following is certainly true?**
- A) It cannot be excluded that, if David had lost his eyeglasses, the musical composition would not have been performed perfectly
 - B) The performance of the musical composition would have been perfect if David had had his eyeglasses with him
 - C) It is possible that the musical composition would have been performed perfectly if David had lost his eyeglasses
 - D) It is possible that the musical composition would have been performed perfectly if David had not lost his eyeglasses
 - E) If the performance of the musical composition had been perfect, it is possible that David would have found his eyeglasses
- 142 **"Not all school mates exclude that it was the principal who prevented Andrew from failing the school year". Based on this statement, determine which of the following is correct.**
- A) At least one school mate believes that the principal was behind Andrew's not passing the school year
 - B) According to many school mates, Andrew failed the school year despite the principal's intervention
 - C) At least one school mate believes that it the principal may have prevented Andrew from failing the school year
 - D) None of the school mates maintain that the principal prevented Andrew from failing the school year
 - E) Most school mates exclude that it was the principal who prevented Andrew from failing the school year
- 143 **"Not all players exclude the fact that the referee prevented irregularities in the match". Based on this statement, determine which of the following is correct.**
- A) The referee's presence does not exclude the possibility that some matches are irregular
 - B) Irregular matches are prevented by the referee
 - C) According to many players, there were irregularities in the match because of the referee
 - D) Not all players observe the rules of the game
 - E) At least one player believes that it is possible that the referee prevented irregularities in the match
- 144 **"The branch office manager could not exclude that the employee was not aware of the details of the transaction, which were kept in a safe". Based on this statement, which of the following is certainly true?**
- A) The employee may have been unaware of the details of the transaction, which were kept in a safe.
 - B) The employee was aware of the details of the transaction, which were kept in a safe.
 - C) The details of the transaction, which were kept in a safe, were only known to the branch office manager and to his employee
 - D) The details of the transaction may not have been kept in a safe
 - E) The branch office manager did not know precisely the details of the transaction
- 145 **"The legal provision that exempted Italian politicians from incompatibility between their office as members of the Italian Parliament and that of member of the European Parliament has been revoked". Which of the following is the correct meaning of this statement?**
- A) Italian politicians cannot hold the office of members of the Italian Parliament
 - B) Italian politicians may hold both the office of members of the Italian Parliament and that of members of the European Parliament
 - C) Italian politicians cannot hold the office of members of the European Parliament
 - D) Italian politicians may either hold the office of members of the Italian Parliament or that of members of the European Parliament
 - E) There was a legal provision that prevented Italian politicians from holding the office of members of the Italian Parliament and at the same time that of members of the European Parliament

-
- 146 **"The legal provision that exempted judges from incompatibility between practicing their profession and being representatives in Parliament has been revoked". Which of the following is the correct meaning of this statement?**
- A) Judges may both practice their profession and be representatives in Parliament
 - B) Judges may either practice their profession or be representatives in Parliament
 - C) Judges can not be representatives in Parliament
 - D) Judges can not practice their profession
 - E) There was a legal provision that prevented judges from practicing their profession while at the same time being representatives in Parliament
-
- 147 **"It is not possible not to deny that Paula and Maximilian are having a relationship". If this statement is FALSE, then it is certainly true that**
- A) Paula and Maximilian cannot be having a relationship
 - B) Paula and Maximilian have been having a relationship for years
 - C) Paula and Maximilian may be having a relationship
 - D) it must be denied that Paula and Maximilian are having a relationship
 - E) Maximilian and Paula cannot be friends
-
- 148 **Choose the alternative that does NOT fit in the group.**
- A) Karlheinz Stockausen
 - B) Gustav Mahler
 - C) Arnold Mendelssohn
 - D) Arthur Schopenhauer
 - E) Franz Liszt
-
- 149 **Choose the alternative that does NOT fit in the group.**
- A) National Gallery
 - B) Prado
 - C) British Museum
 - D) Hermitage
 - E) Louvre
-
- 150 **Choose the alternative that does NOT fit in the group.**
- A) Tail
 - B) Tabby
 - C) Bark
 - D) Siamese
 - E) Miaowing
-
- 151 **Choose the alternative that does NOT fit in the group.**
- A) Georgia
 - B) Michigan
 - C) Massachusetts
 - D) Hampshire
 - E) Florida
-
- 152 **Choose the alternative that does NOT fit in the group.**
- A) Incapacity
 - B) Ineptitude
 - C) Deformity
 - D) Inability
 - E) Worthlessness
-

153 Choose the alternative that does NOT fit in the group.

- A) Rainer Maria Rilke
 - B) T.S. Eliot
 - C) Guillaume Apollinaire
 - D) Federico Garcia Lorca
 - E) Pablo Neruda
-

154 Choose the alternative that does NOT fit in the group.

- A) Warthog
 - B) Zebra
 - C) Rhea
 - D) Lemming
 - E) Horse
-

155 Identify which answer is the odd one out.

- A) Clarinet
 - B) Bagpipe
 - C) Guitar
 - D) Saxophone
 - E) Oboe
-

156 Choose the alternative that does NOT fit in the group.

- A) Jamaica
 - B) Colombia
 - C) Chile
 - D) San Salvador
 - E) Argentina
-

157 Choose the alternative that does NOT fit in the group.

- A) Almost
 - B) Precious
 - C) Frequent
 - D) Unique
 - E) Sure
-

158 Choose the alternative that does NOT fit in the group.

- A) Psychologist
 - B) Geriatrician
 - C) Psychiatrist
 - D) Paediatrician
 - E) Dermatologist
-

159 Which word is the odd one out?

- A) Helicopters
 - B) Orthoptera
 - C) Neuroptera
 - D) Hemiptera
 - E) Diptera
-

160 Choose the alternative that does NOT fit in the group.

- A) And
 - B) The
 - C) If
 - D) Or
 - E) But
-

161 Choose the alternative that does NOT fit in the group.

- A) Flu
 - B) Cough
 - C) Running Nose
 - D) Sneeze
 - E) Nausea
-

162 Choose the alternative that does NOT fit in the group.

- A) Malaysia
 - B) Gabon
 - C) Philippines
 - D) Japan
 - E) Vietnam
-

163 Choose the alternative that does NOT fit in the group.

- A) Stenosis
 - B) Occlusion
 - C) Stoppage
 - D) Obstruction
 - E) Rostrum
-

164 Choose the alternative that does NOT fit in the group.

- A) Coriolanus
 - B) Romeo and Juliet
 - C) Pygmalion
 - D) Love's Labour's Lost
 - E) As You Like It
-

165 Which, among the terms given, correctly completes the following verbal proportion? X : whole = element : set

- A) Complement
 - B) All
 - C) Number
 - D) Unit
 - E) Fraction
-

166 "An appeal was rejected to cancel the decision to reverse the result of the match originally ended with Virtus losing 2-0 against Olimpia". Which of the following can be concluded from this statement?

- A) The Virtus-Olimpia match was awarded 2-0 to Olimpia
 - B) The match has to be played again
 - C) The Virtus-Olimpia match was awarded 2-0 to Virtus
 - D) It is not possible to determine Virtus' result in the match played against Olimpia
 - E) Virtus beat Olimpia 2-0 on the pitch
-

167 "The theory according to which poor product sales should not be attributed to mistakes of the Marketing department should be excluded". Based on this statement, determine which of the following alternatives is correct.

- A) Poor product sales should be attributed to mistakes of the Marketing department
- B) Poor product sales should not be attributed to mistakes of the Marketing department
- C) Product sales were poor despite the correct initiatives of the Marketing department
- D) It is not certain that poor product sales should be attributed to mistakes of the Marketing department
- E) It is not certain that poor product sales should not be attributed to mistakes of the Marketing department

168 Choose the alternative that does NOT fit in the group.

- A) Franz Schubert
- B) William Shakespeare
- C) Fryderyk Chopin
- D) Antonín Dvorak
- E) Wolfgang Amadeus Mozart

169 Choose the alternative that does NOT fit in the group.

- A) Writer
- B) Architect
- C) Engineer
- D) Physician
- E) Lawyer

170 Choose the alternative that does NOT fit in the group.

- A) Entropy
- B) Psychology
- C) Sociology
- D) Semiology
- E) Ecology

171 Which, among the terms given, correctly completes the following verbal proportion? Ascetic : carnal = X : Y

- A) X = austere; Y = diligent
- B) X = human; Y = poor
- C) X = noble; Y = aristocratic
- D) X = acidulous; Y = fleshy
- E) X = spiritual; Y = bodily

172 Which, among the terms given, correctly completes the following verbal proportion? Sailboat : X = glider : Y

- A) X = motorboat; Y = airplane
- B) X = water; Y = wings
- C) X = wind; Y = fuel
- D) X = excursion; Y = competition
- E) X = skipper; Y = mainsail

173 Which, among the terms given, correctly completes the following verbal proportion? Telemachus : Odyssey = X : Y

- A) X = Shakespeare; Y = The Jew of Malta
- B) X = Dickens; Y = Oliver Twist
- C) X = Homer; Y = Bible
- D) X = Shylock; Y = The Canterbury Tales
- E) X = Cain; Y = Genesis

174 Which, among the terms given, correctly complete the following verbal proportion? Square : X = circle : Y

- A) X = triangle; Y = ellipsis
- B) X = trapezium; Y = parabola
- C) X = angles; Y = vertices
- D) X = rhombus ; Y = pyramid
- E) X = cube; Y = sphere

175 Find the word that does NOT fit in with the others.

- A) Romanian
- B) Sardinian
- C) Catalan
- D) French
- E) Finnish

176 Which, among the terms given, correctly complete the following verbal proportion? Palme d'or : X = Y : Berlin

- A) X = London; Y = Oscar
- B) X = Cannes; Y = Golden Bear
- C) X = Paris; Y = Nobel
- D) X = Holywood; Y = Palme d'or
- E) X = Oscar; Y = David

177 Find the word that does NOT fit in with the others.

- A) Hyacinth
- B) Sword lily
- C) Chrysanthemum
- D) Rose
- E) Petal

178 Which, among the terms given, correctly complete the following verbal proportion? Hermitage : X = National Gallery : Y

- A) X = Paris; Y = New York
- B) X = Saint Petersburg; Y = London
- C) X = Moscow; Y = London
- D) X = Saint Petersburg; Y = New York
- E) X = Moscow; Y = Paris

179 Choose the alternative that does NOT fit in with the others.

- A) Common
- B) Wrong
- C) Coarse
- D) Unrefined
- E) Vulgar

-
- 180 Choose the alternative that does NOT fit in with the others.**
- A) Pain
 - B) Agony
 - C) Suffering
 - D) Tears
 - E) Despair
-
- 181 Based only on empirical evidence, which of the following sets is NOT a subset of the set "headwear"?**
- A) Bowler hats
 - B) Hair
 - C) Top hats
 - D) Helmets
 - E) Berets
-
- 182 Which, among the terms given, correctly completes the following verbal proportion? Nepal : State = diabetes : X**
- A) X = virus
 - B) X = disease
 - C) X = Everest
 - D) X = Tibet
 - E) X = insulin
-
- 183 Which, among the terms given, correctly complete the following verbal proportion? Toe : foot = X : Y**
- A) X = sting; Y = wasp
 - B) X = thigh; Y = ankle
 - C) X = femur; Y = shoulder
 - D) X = head; Y = eye
 - E) X = biceps; Y = back
-
- 184 "Not all doctors exclude the fact that it was the patient's young age that prevented the prognosis from worsening". Based on the previous statement, identify which of the following is correct.**
- A) No doctor maintains that the patient's young age prevented the prognosis from worsening
 - B) According to many doctors, the prognosis worsened in spite of the patient's young age
 - C) At least one doctor believes it is possible that the patient's young age prevented the prognosis from worsening
 - D) The young age of many patients implies the worsening of doctors' prognoses
 - E) All doctors maintain that the patient's young age worsened the prognosis
-
- 185 Which, among the terms given, correctly complete the following verbal proportion? Tenacious : stubborn = X : Y**
- A) X = fragile; Y = sturdy
 - B) X = strong; Y = weak
 - C) X = reckless; Y = shy
 - D) X = powerful; Y = faint
 - E) X = unfit; Y = incapable
-

186 "It is not true that Mary is not short" means the same as:

- A) Mary is chunky
 - B) Mary is short
 - C) Mary is not short
 - D) Mary is tall
 - E) it is false that Mary is short
-

187 Which, among the given terms, correctly completes the following verbal proportion? Insidious : X = carefree : preoccupied

- A) X = safe
 - B) X = thoughtful
 - C) X = malicious
 - D) X = harmful
 - E) X = dangerous
-

188 Which, among the terms given, correctly completes the following verbal proportion? Spotless : clean = X : Y

- A) X = scented; Y = fresh
 - B) X = smart; Y = clever
 - C) X = shiny; Y = wrinkled
 - D) X = house; Y = street
 - E) X = errorless; Y = mistaken
-

189 Which, among the terms given, correctly complete the following verbal proportion? Snake : X = apple : Y

- A) X = Eden; Y = tree
 - B) X = Eve; Y = Adam
 - C) X = to slither; Y = to pick
 - D) X = Garden; Y = pippin
 - E) X = reptile; Y = fruit
-

190 Which, among the terms given, correctly complete the following verbal proportion? La dolce vita : movie = Mrs Dalloway : X

- A) X = Gone with the Wind
 - B) X = tale
 - C) X = Virginia Woolf
 - D) X = Fellini
 - E) X = novel
-

191 Choose the odd alternative out.

- A) Bendage
 - B) Gauze
 - C) Syringe
 - D) Cotton wool
 - E) sticking plaster
-

192 Choose the odd word out.

- A) Honourable
 - B) Easy
 - C) Deserving
 - D) Laudable
 - E) Worthy
-

193 Choose the odd alternative out.

- A) Friedrich W.J. Schelling
 - B) Friedrich Heinrich Jacobi
 - C) Johann Gottlieb Fichte
 - D) G.W.F. Hegel
 - E) Jean-Baptiste Lamarck
-

194 Complete correctly the following verbal proportion: F. Scott Fitzgerald : The Great Gatsby = X : The New York Trilogy

- A) X = Paul Auster
 - B) X = Ask the dust
 - C) X = Philip Roth
 - D) X = Author
 - E) X = Raymond Chandler
-

195 Which, among the terms given, correctly complete the following verbal proportion? Architect : plan = X : Y

- A) X = perfect; Y = witty poem
 - B) X = surveyor; Y = bricklayer
 - C) X = judge; Y = sentence
 - D) X = engineer; Y = compasses
 - E) X = brush; Y = painter
-

196 Find the figure that does NOT fit in the series.

- A) Rhombus
 - B) Pentagon
 - C) Parallelepiped
 - D) Parallelogram
 - E) Triangle
-

197 Choose the odd word out.

- A) Biscuit
 - B) Bread
 - C) Pasta
 - D) Icecream
 - E) Pizza
-

198 "Only after washing you can iron a shirt". If the previous statement is correct, which of the following conclusions is NOT correct?

- A) If the shirt has not been ironed, therefore it has not been washed
 - B) If the shirt has been washed, therefore it can be ironed
 - C) If the shirt has been ironed, therefore it has been washed
 - D) If the shirt has not been washed, therefore then it has not been ironed
 - E) It's necessary to wash the shirt to iron it
-

199 If the statement "none citizen can have more than one surname" is FALSE, which of the following statements is necessarily true?

- A) At least one citizen can have more than a surname
 - B) All citizens have more than a surname
 - C) None citizen has only one surname
 - D) At least one citizen has only one surname
 - E) All citizens have only one surname
-

- 200 **“Sardinians are hospitable. Paolo is hospitable. Some hospitable people are nice”. According to previous information, which of the following statements is necessarily true?**
- A) None of other options is correct
 - B) It's not possible to affirm that Paolo is nice or not
 - C) Paolo is nice
 - D) Sardinians are all nice
 - E) Paolo is sardinian
- 201 **“All bank employees are back from work at the 5 pm. Who comes back from work at the 5 pm is always stuck in the traffic. Pietro is a bank employee”. If the previous statements are true, which of the following statements is NOT necessarily true?**
- A) Pietro comes back from work at 5 pm
 - B) Pietro is always stuck in the traffic, coming back at 5 pm from work
 - C) Pietro spends all the afternoon in his car
 - D) There isn't a bank employee who is not always stuck in the traffic
 - E) There isn't a bank employee who comes back from work at 10 pm
- 202 **“All models are tall. Enrica is tall”. According to the previous information, which of the following statements is necessarily true?**
- A) Enrica is a model
 - B) All tall women are models
 - C) Enrica will never be a model
 - D) Enrica is not a model
 - E) None of the other options is correct
- 203 **“People who study languages are cultured. Andrea is a cultured person”. Which of the following additional statements lets to deduce that Andrea certainly studies language?**
- A) Some cultured people study languages
 - B) It is not certain that all cultured people study languages
 - C) All cultured people study languages
 - D) Some cultured people are called Andrea
 - E) All people called Andrea are cultured
- 204 **“Sara is sincere. All doctors are sincere. All sincere people are honest”. If the previous statements are true, which of the following is necessarily true?**
- A) Only some doctors are honest
 - B) None of the other options is correct
 - C) Sara is a doctor
 - D) All honest people are sincere
 - E) Sara is honest
- 205 **“Not all visitors exclude the fact that thanks to the builder's work it was avoid the failure of the exhibition”. According to the previous information, which of the following statements is certainly true?**
- A) Some visitors consider that the failure of the exhibition is due to the builder
 - B) According many visitors the exhibition was a failure even though the builder's work
 - C) Evidently builder's work did not avoid the failure of the exhibition
 - D) At least one visitor considers that thanks to the builder's work, it was avoid the failure of the exhibition
 - E) Some visitors consider that the failure of the exhibition was avoid thanks to builder's work

- 206 **“All who use the e-mail know how to turn on the computer; Antonio knows to turn on the computer; who uses e-mail can surf internet”. If the previous statements are true, which of the following is necessarily FALSE?**
- A) Antonio hasn't an e-mail account
 - B) Who knows to surf internet knows how to turn on the computer
 - C) Who knows to turn on a computer is able to surf internet
 - D) There is at least an e-mail user who not able to turn on the computer
 - E) Antonio didn't ever surf internet
- 207 **“All carpenters are muscular. Matteo is a carpenter”. According to the previous information, which of the following statements is necessarily true?**
- A) All muscular men are called Matteo
 - B) None of the other options is correct
 - C) All muscular men are carpenters
 - D) Matteo is muscular
 - E) Matteo is not muscular
- 208 **If the statement “all the pilots are cultured people” is FALSE, which of the following statements is necessarily true?**
- A) Pilots read little
 - B) At least one pilot is cultured
 - C) At least one pilot is not a cultured person
 - D) None pilot is a cultured person
 - E) Some pilots are not cultured people
- 209 **“If the almond tree is in bloom, the rose dies. If the begonia dies the poppy blows. Besides or the almond tree is in bloom or the begonia dies”. According to the previous statements is certainly true that:**
- A) the poppy blows
 - B) the almond tree is in bloom and the poppy blows
 - C) the rose dies or the poppy blows
 - D) the rose dies and the poppy blows
 - E) the rose and the begonia die
- 210 **“If and only if I read everyday a daily newspaper, I will be update on current events”. According to the previous information, which of the following statements is certainly true?**
- A) Even if I do not read a daily newspaper, I'm update on current events
 - B) If I'm update on current events it means I read everyday a daily newspaper
 - C) I read a daily newspaper because I want to update on current events
 - D) I read everyday a daily newspaper only during the summer holidays
 - E) Even if I read everyday a daily newspaper, it's possible that I will not be update on current events
- 211 **“All Esse are Beta; some Esse is Gamma; all Gamma are Emme”. If the previous statements are correct, it is certainly true that:**
- A) some Beta is Emme
 - B) all Esse are Emme
 - C) all Gamma are Beta
 - D) some Esse is not Beta
 - E) all Emme are Beta

212 “Who attends the high school or the university is a student. All Stefano’s friends attend the university. Enrico is a Stefano’s friend”. If the previous statements are correct, which of the following is **NOT** a correct conclusion?

- A) All students attend the university or high school
- B) Stefano’s friends are all student
- C) Who doesn’t attend the university is not a Stefano’s friend
- D) Enrico attends the university
- E) Enrico is a student

213 “In the evening all guys drink a beer”. If the previous statement is true, it can be deduced that:

- A) if Gigi drinks a beer in the evening, he is a good guy surely
- B) in the evening just the guys drink a beer
- C) there is at least one guy who doesn’t drink beer in the evening
- D) even if Gigi is not a guy it’s possible that he drinks a beer
- E) if Gigi is not a guy, it’s not possible that he drinks a beer in the evening

214 “All firemen are brave. All sailors are brave. All sailors love the sea”. If the previous statements are correct, which of the additional information lets to conclude that all firemen love the sea?

- A) There are not firemen who are sailors too
- B) Who loves the sea is a sailor
- C) All brave people love the sea
- D) All sailors are firemen too
- E) All firemen can swim

215 The statement “Every student has passed at least two exams” is **FALSE** if only:

- A) none student has passed two exams
- B) any other statements is the negation of the initial statements
- C) there is one student who has passed more than two exams
- D) every student has passed at least one exam
- E) there is at least one student who has passed less than two exams

216 “Maurizio loves hunting. Who lives in the country loves hunting. Giuseppe lives in the country”. If the previous statements are true, which of the following is necessarily true?

- A) Maurizio lives in the country
- B) Who loves hunting, lives in the country
- C) Giuseppe loves hunting
- D) Who doesn’t live in the country, doesn’t love hunting
- E) Maurizio doesn’t live in the country

217 Choose the odd pair out.

- A) Innate – acquired
- B) Precision – approximation
- C) True – false
- D) Substance – accident
- E) Reactionary – conservative

218 Which, among the terms given, correctly complete the following verbal proportion? Linear : straight = X : Y

- A) X = sugar; Y = honey
- B) X = ample; Y = vast
- C) X = persuaded; Y = dissuaded
- D) X = unfair; Y = fair
- E) X = light; Y = crooked

219 Which, among the terms given, correctly complete the following verbal proportion? Storm : squall = X : Y

- A) X = mistral; Y = snow
- B) X = libeccio; Y = seaquake
- C) X = earthquake; Y = hurricane
- D) X = blizzard; Y = gale
- E) X = sea; Y = mountain

220 In the pavlov experiment, when a dog smelt some food it began to salivate. Later, whenever he gave food to the dog, he also rang a bell. After a number of repeats of this procedure, he tried the bell on its own. and this caused the increase in salivation of the dog, also without food. Which of the following results could be deduced from these experiments?

- A) Dogs are stimulate only by the ring of the bell
- B) The ring of the bell was connected to the food
- C) Two stimulus are more effective than one
- D) Dogs can be easily fooled
- E) No conclusion can be deduced from this experiment

221 In a cinema Tizio, Caio and Sempronio work as cashier, barman and usherette (not necessary in this order). in addition it is known that: the usherette is the thinner and is single; Tizio is the father-in-law of Sempronio and is fatter than the barman. Which of the following statements is necessarily true?

- A) Caio is the usherette
- B) Tizio is the barman
- C) Caio married Sempronio's daughter
- D) the cashier is thinner than the barman
- E) Sempronio is the thinner

222 "Who reads books or listens to the classic music loves art. Who loves art loves nature". If the previous statements are true, then is also true that:

- A) who loves nature reads books
- B) who loves art listens to classic music
- C) who reads books loves nature
- D) who loves nature loves art
- E) who reads books listens to classic music

223 Which, among the terms given, correctly complete the following verbal proportion? Kafka : The Metamorphosis = X : Y

- A) X = Poe; Y = The Count of Monte Cristo
- B) X = Yourcenar; Y = The Clown
- C) X = Stedhal; Y = Wuthering heights
- D) X = Tolstoj; Y = War and peace
- E) X = Virginia Woolf; Y = Pride and prejudice

224 Which, among the terms given, correctly complete the following verbal proportion? Shakespeare : King Lear = X : Y

- A) X = Orwell; Y = Tonio Kroger
 - B) X = Dumas; Y = The lady of the camellias
 - C) X = Thomas Mann ; Y = Les misérables
 - D) X = Da Vinci; Y = Divine Comedy
 - E) X = Victor Hugo; Y = For whom the bell tolls
-

225 Which, among the terms given, correctly complete the following verbal proportion? Town Hall : mayor = X : Y

- A) X = swimming pool; Y = lifeguard
 - B) X = wall; Y = man
 - C) X = city; Y = flag
 - D) X = swimming; Y = teacher
 - E) X = presidente of the United States; Y = White House
-

226 Which, among the terms given, correctly complete the following verbal proportion? Tailor : X = bricklayer : Y

- A) X = House; Y = jacket
 - B) X = needle; Y = trowel
 - C) X = dress; Y = scaffolding
 - D) X = office; Y = wheelbarrow
 - E) X = brick; Y = fabric
-

227 Which, among the terms given, correctly complete the following verbal proportion? Extraneous : foreign = X : Y

- A) X = door; Y = house
 - B) X = affable; Y = friendly
 - C) X = hour; Y = clock
 - D) X = kite; Y = hang-glider
 - E) X = strange; Y = native
-

228 Choose the odd word out.

- A) Grey
 - B) Indigo
 - C) Yellow
 - D) Red
 - E) Green
-

229 Choose the odd word out.

- A) Pitch
 - B) Tar
 - C) Asphalt
 - D) Milk
 - E) Coal
-

230 Choose the odd option out.

- A) London
 - B) Stockholm
 - C) Dakar
 - D) Barcelona
 - E) Caracas
-

231 **Choose the odd word out.**

- A) Short
 - B) Comfortable
 - C) Easy
 - D) Simple
 - E) Fluent
-

232 **Choose the odd alternative out.**

- A) of
 - B) in
 - C) with
 - D) for
 - E) the
-

233 **“All dolphins swim. All dolphins are mammalian. All mammals live for a long time”. Which of the following statements can be deduced from the previous ones?**

- A) All mammals are dolphins
 - B) Dolphins live for a long time
 - C) If a mammal swims it is a dolphin
 - D) Dolphins are fishes
 - E) Dolphins don't live for a long time
-

234 **“All dolphins swim. All dolphins are mammalian. All mammals live for a long time. Which of the following statements can be deduced from the previous ones?**

- A) All mammas swim
 - B) Dolphins live for a long time
 - C) Dolphins don't live for a long time
 - D) Dolphins are fishes
 - E) All mammals are dolphins
-

235 **The article of law that allows doctors to practice their profession both in a hospital and in private practice has been deleted. What is the correct meaning of the previous statement?**

- A) Doctors can't practice in hospitals
 - B) Doctors can practice at the same time in hospitals and in private practices
 - C) Doctors can't practice in private practices
 - D) Doctors can practice or in hospitals or in private practices
 - E) There is no longer any law to regulate the medical profession
-

236 **Asserting that the statement “all of them don't work” is FALSE, it means that:**

- A) all of them work
 - B) at least one of them works
 - C) one of them works
 - D) all of them, except one, work
 - E) none of them works
-

237 **“If Renato is working, Enrica can't rest”. If the previous statement is true, then it is necessarily true that:**

- A) if Renato doesn't work, Enrica can rest
 - B) if Enrica can't rest, Renato is working
 - C) just when Renato works, Enrica can't rest
 - D) if Enrica can rest, Renato is not working
 - E) Enrica and Renato can't ever rest together
-

- 238 **"According to the statistics of the hospital, the doctors have found that it is not a false hypothesis that the disease is not deadly". According to the previous information, which of the following statements is true?**
- A) According to the statistics of the hospital, doctors can't assert the falsity of the hypothesis according to which that disease is deadly
 - B) That disease is not deadly, according to the statistics of the hospital
 - C) According to the statistics of the hospital, doctors were not able to verify the death level of that disease
 - D) According to the statistics of the hospital, doctors are sure to cure that disease
 - E) Statistic datas of the hospital are little significant
- 239 **"Some students of the class are tall, all the tall students are blond". If the previous statements are true, then it is necessarily true that:**
- A) who is not blond is not tall
 - B) all students are blond
 - C) some students of the class are blond
 - D) none of the students of the class is blond
 - E) only if you are tall and blond, you can be part of a class of students
- 240 **The sentence "there is no house without balcony" is logically equal to:**
- A) every house has at least one balcony
 - B) no house has two balconies
 - C) every house has two balconies
 - D) where there is a balcony, there is a house
 - E) some houses have one balcony
- 241 **"Who goes to the cinema eats pop corn. All young people eat pop-corn. Roberto goes to the cinema". If the previous statements are true, which of the following is necessarily true?**
- A) Roberto is young
 - B) Roberto eats pop corn
 - C) Who eats pop corn goes to the cinema
 - D) Who goes to the cinema is young
 - E) All young people go to the cinema
- 242 **What is the negation of the statement "Every city of Umbria has at least two bell towers"?**
- A) At least one city of Umbria has one tower bell
 - B) All cities of Umbria have a bell tower
 - C) At least one city of Umbria has at least a bell tower
 - D) At least one city of Umbria hasn't bell towers
 - E) No city of Umbria has two bell towers
- 243 **"Aldo is passionate about photographing. Passionates about photographing love music. All doctors are passionate about photographing". According to the previous statements, which of the following statements is certainly true?**
- A) Some doctors don't love music
 - B) Aldo is a doctor
 - C) Who loves music is passionate about photographing
 - D) Aldo loves music
 - E) Who is passionate about photoghaping is a doctor

- 244 **Open-work dumps don't damage environment. In the little town of Trash, the use of open-work dumps have been started on current year and the water pollution recorded this year was the lowest in the last years. All the following statements represent valid objections to the previous argument except one. Which one?**
- A) All the others options are correct
 - B) The water pollution is just one of the different kinds of pollution: the open-work dumps causes dangerous fumes for atmosphere
 - C) In case of fires, intentional or not, garbage in open-work dumps produce dioxin
 - D) Damages caused by open-work dumps show their effects few years late
 - E) The use of open-work dumps don't let the Trash town garbage be thrown into rivers and sea
- 245 **"Who doesn't keep silent screams. Who screams is always wrong. Andrea never keeps silent". According to the previous information, which of the following statements is necessarily true?**
- A) He's right who says Andrea is always right
 - B) Andrea is always right
 - C) Sometimes Andrea is right
 - D) Andrea is always wrong
 - E) Sometimes Andrea is wrong
- 246 **"Marco loves sweets; who is thin doesn't love sweets; who is active is thin". If the previous statements are true, then it is certainly FALSE that:**
- A) Marco is not thin
 - B) people who love sweets are not thin
 - C) not all people thin are active
 - D) who is active doesn't love sweets
 - E) Marco is active
- 247 **"Giorgio is tall. Who is tall is thin. Who is healthy is thin". Which of the following additional statements would let us deduce that Giorgio certainly is healthy?**
- A) Who is thin is healthy
 - B) Giorgio is thin
 - C) Who is thin is tall
 - D) None: the information reported in the text are enough
 - E) Who is healthy is tall
- 248 **"All doctors are surgeons. Lorenzo is a doctor". According to the previous information, which of the following statements is certainly true?**
- A) None of the other options is correct
 - B) Lorenzo is not necessarily a surgeon
 - C) All doctors are called Lorenzo
 - D) Lorenzo is a surgeon
 - E) Lorenzo loves his job
- 249 **"Researches on the aggression scene have not excluded that the agent has been wounded by more than one person". According to the previous statements, it is certainly true that:**
- A) none of the other options is correct
 - B) if the agent hadn't been attacked by more than one person, he wouldn't have been wounded
 - C) the agent has been certainly wounded by more than one person
 - D) the agent hasn't been wounded although the aggression by more people
 - E) the agent could have been wounded by more than one person

-
- 250 **"All painters have good taste. Pablo is a painter". According to the previous statements, which of the following is necessarily true?**
- A) None of other answers is correct
 - B) Pablo has good taste
 - C) All those who have good taste love the painting
 - D) Pablo hates bad taste
 - E) Pablo appreciates who has good taste
-
- 251 **"Only if sun comes out Alberto switches off the air conditioner". If the previous statement is true, it is certainly true that:**
- A) if Alberto doesn't switched off the air conditioner, it's not hot
 - B) if Alberto doesn't swichted off the air conditioner, sun didn't come out
 - C) Alberto keeps the air conditioner on when the sun comes out
 - D) for Alberto it's enough to see the sun to switch off the air conditioner
 - E) if Alberto switched off the air conditioner, sun has come out
-
- 252 **"All firemen are athletic; Piero is brave; all brave people are athletic". According to previuos statements, which of the following is necessarily true?**
- A) Piero is athletic
 - B) Piero is a fireman
 - C) All firemen are brave
 - D) There is no brave fireman
 - E) All brave people are firemen
-
- 253 **"Who wins the lottery is lucky. Davide is lucky. Who is lucky is optimistic". If previous statements are true, which of the following is necessarily true?**
- A) Davide is optimistic
 - B) Who is lucky wins the lottery
 - C) Optimistic people are all lucky
 - D) Davide wins the lottery
 - E) Who is optimistic wins the lottery
-
- 254 **"Andrew listens to classical music; sensitive people listen to classical music; sensitive people read a lot". If previous statements are true, which of the following is necessarily true?**
- A) Andrew is a sensitive person
 - B) Andrew reads a lot
 - C) Who listens to classical music, reads a lot as well
 - D) Who reads a lot and listens to classical music is a sensitive person
 - E) The people who read a lot do not necessary listen to classical music
-
- 255 **Read the following statements: "All those who work little love fishing; Luigi loves fishing; All those who work little are unsatisfied". If the previous statements are true, which of the following is necessarily true?**
- A) It is not sure that Luigi works little
 - B) Luigi is unsatisfied
 - C) Luigi works little
 - D) Luigi is satisfied because he loves fishing
 - E) All those who love fishing are unsatisfied
-

- 256 Which, among the terms given, correctly completes the following verbal proportion? Day : week = X : year
- A) X = time
 - B) X = calendar
 - C) X = month
 - D) X = decade
 - E) X = era

DIAGRAM RY 00

EXAMPLE

Find the diagram that satisfies the set relationship existing among the given terms:

Skilled workers, Factories, Workers

All skilled workers are workers, but not vice versa; the solution to the exercise therefore must depict a set (*Skilled workers*) contained inside another set (*Workers*). The Factory set instead, compared to the other two, stands alone (even though a worker often works in a factory, as far as the set theory is concerned, he does not belong to the

Factory set): the *Worker* and *Factory* sets are therefore separate.

The correct alternative is therefore the one shown in Diagram 2.



DIAGRAM 1

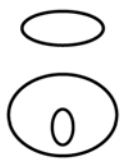


DIAGRAM 2



DIAGRAM 3



DIAGRAM 4



DIAGRAM 5



DIAGRAM 6



DIAGRAM 7

- 257 Answer the following question concerning **DIAGRAM RY 00**
Three-lane motorways, Italian motorways, Motorway toll gates

- A) Diagram 4
- B) Diagram 5
- C) Diagram 3
- D) Diagram 1
- E) Diagram 7

- 258 Answer the following question concerning **DIAGRAM RY 00**
Husbands, People with green eyes, Wives

- A) Diagram 3
- B) Diagram 5
- C) Diagram 6
- D) Diagram 4
- E) Diagram 7

- 259 Answer the following question concerning **DIAGRAM RY 00**
Painters, Harpsichord players, Musicians

- A) Diagram 3
- B) Diagram 2
- C) Diagram 1
- D) Diagram 6
- E) Diagram 4

260 Answer the following question concerning DIAGRAM RY 00

Mothers, Fathers, Brothers

- A) Diagram 6
 - B) Diagram 1
 - C) Diagram 7
 - D) Diagram 2
 - E) Diagram 5
-

261 Answer the following question concerning DIAGRAM RY 00

Flowers, Fruit, Roses

- A) Diagram 3
 - B) Diagram 4
 - C) Diagram 6
 - D) Diagram 1
 - E) Diagram 2
-

262 Answer the following question concerning DIAGRAM RY 00

Portugueses, Swimmers, Boys

- A) Diagram 3
 - B) Diagram 4
 - C) Diagram 6
 - D) Diagram 2
 - E) Diagram 5
-

263 Answer the following question concerning DIAGRAM RY 00

New-born babies, Pregnancies, Women

- A) Diagram 6
 - B) Diagram 1
 - C) Diagram 3
 - D) Diagram 2
 - E) Diagram 4
-

264 Answer the following question concerning DIAGRAM RY 00

Knives, Plastic items, Cooks

- A) Diagram 5
 - B) Diagram 4
 - C) Diagram 6
 - D) Diagram 2
 - E) Diagram 1
-

265 Answer the following question concerning DIAGRAM RY 00

Artificial lakes, Canadian lakes, Estuaries

- A) Diagram 3
 - B) Diagram 1
 - C) Diagram 5
 - D) Diagram 2
 - E) Diagram 4
-

-
- 266 Answer the following question concerning DIAGRAM RY 00**
People who live in London, People who live in America, People who live in Singapore
- A) Diagram 3
 - B) Diagram 2
 - C) Diagram 1
 - D) Diagram 6
 - E) Diagram 7
-

- 267 Answer the following question concerning DIAGRAM RY 00**
French people, Swiss people, Sporty people
- A) Diagram 6
 - B) Diagram 4
 - C) Diagram 3
 - D) Diagram 1
 - E) Diagram 2
-

- 268 Answer the following question concerning DIAGRAM RY 00**
Cars, Mechanics, Sports cars
- A) Diagram 5
 - B) Diagram 4
 - C) Diagram 1
 - D) Diagram 2
 - E) Diagram 7
-

- 269 Answer the following question concerning DIAGRAM RY 00**
Dumplings, Cakes, Trout
- A) Diagram 1
 - B) Diagram 4
 - C) Diagram 6
 - D) Diagram 7
 - E) Diagram 2
-

- 270 Answer the following question concerning DIAGRAM RY 00**
Brazilians, Canadians, Artists
- A) Diagram 5
 - B) Diagram 3
 - C) Diagram 4
 - D) Diagram 2
 - E) Diagram 1
-

- 271 Answer the following question concerning DIAGRAM RY 00**
Mammals, Donkeys, Eagles
- A) Diagram 4
 - B) Diagram 2
 - C) Diagram 6
 - D) Diagram 1
 - E) Diagram 3
-

272 Answer the following question concerning DIAGRAM RY 00

Bakers, Old people, Texans

- A) Diagram 1
 - B) Diagram 4
 - C) Diagram 6
 - D) Diagram 5
 - E) Diagram 3
-

273 Answer the following question concerning DIAGRAM RY 00

Which of the following series of terms is connected by the set relation graphically represented by Diagram 7?

- A) Numbers between 4 and 9, Numbers between 3 and 13, Numbers between 11 and 25
 - B) Town libraries, Tuscan towns, Towns with over 10,000 inhabitants
 - C) Franch dancers, Ballerinas, Unmarried dancers
 - D) Chinese citizens, Programmers, Short-sighted people
 - E) European cities, Italian cities, Cities on the Mediterranean
-

274 Answer the following question concerning DIAGRAM RY 00

Waiters, Dogcatchers, Film lovers

- A) Diagram 1
 - B) Diagram 5
 - C) Diagram 3
 - D) Diagram 6
 - E) Diagram 2
-

275 Answer the following question concerning DIAGRAM RY 00

Even numbers, Odd numbers, Numbers that are divisible by 4

- A) Diagram 3
 - B) Diagram 4
 - C) Diagram 5
 - D) Diagram 2
 - E) Diagram 6
-

276 Answer the following question concerning DIAGRAM RY 00

Cows, Sheep, Breeders

- A) Diagram 4
 - B) Diagram 3
 - C) Diagram 6
 - D) Diagram 5
 - E) Diagram 7
-

277 Answer the following question concerning DIAGRAM RY 00

Workers, Young people, Discotheques

- A) Diagram 7
 - B) Diagram 2
 - C) Diagram 1
 - D) Diagram 4
 - E) Diagram 3
-

278 Answer the following question concerning DIAGRAM RY 00

Campings, Seas, Beaches

- A) Diagram 7
 - B) Diagram 6
 - C) Diagram 3
 - D) Diagram 1
 - E) Diagram 4
-

279 Answer the following question concerning DIAGRAM RY 00

Gourmets, Clerks, Classical music lovers

- A) Diagram 3
 - B) Diagram 4
 - C) Diagram 7
 - D) Diagram 5
 - E) Diagram 6
-

280 Answer the following question concerning DIAGRAM RY 00

Austrians, Workers, Venezuelans

- A) Diagram 6
 - B) Diagram 3
 - C) Diagram 5
 - D) Diagram 2
 - E) Diagram 7
-

281 Answer the following question concerning DIAGRAM RY 00

Footwear, Boots, Laces

- A) Diagram 5
 - B) Diagram 7
 - C) Diagram 3
 - D) Diagram 2
 - E) Diagram 1
-

282 Answer the following question concerning DIAGRAM RY 00

Inhabitants of Plymouth, Women living in Plymouth, Fathers

- A) Diagram 2
 - B) Diagram 4
 - C) Diagram 5
 - D) Diagram 7
 - E) Diagram 1
-

283 Answer the following question concerning DIAGRAM RY 00

Numbers divisible by 4, Even numbers, Numbers divisible by 40

- A) Diagram 4
 - B) Diagram 6
 - C) Diagram 2
 - D) Diagram 1
 - E) Diagram 7
-

284 Answer the following question concerning DIAGRAM RY 00

Generous people, Wealthy people, Dollars

- A) Diagram 2
 - B) Diagram 3
 - C) Diagram 4
 - D) Diagram 7
 - E) Diagram 1
-

285 Answer the following question concerning DIAGRAM RY 00

Chemical elements, Alembics, Chemists

- A) Diagram 7
 - B) Diagram 3
 - C) Diagram 6
 - D) Diagram 1
 - E) Diagram 2
-

286 Answer the following question concerning DIAGRAM RY 00

Alpinists, Germans, Graduates

- A) Diagram 4
 - B) Diagram 6
 - C) Diagram 3
 - D) Diagram 5
 - E) Diagram 7
-

287 Answer the following question concerning DIAGRAM RY 00

Musicians, Hungarians, Danes

- A) Diagram 4
 - B) Diagram 2
 - C) Diagram 3
 - D) Diagram 1
 - E) Diagram 7
-

288 Answer the following question concerning DIAGRAM RY 00

Plums, Irises, Fruit

- A) Diagram 6
 - B) Diagram 1
 - C) Diagram 5
 - D) Diagram 2
 - E) Diagram 7
-

289 Answer the following question concerning DIAGRAM RY 00

European cities, Cities by the sea, Austrian cities

- A) Diagram 2
 - B) Diagram 1
 - C) Diagram 7
 - D) Diagram 5
 - E) Diagram 3
-

290 Answer the following question concerning DIAGRAM RY 00

Symphonies, Folk songs, Flutes

- A) Diagram 4
 - B) Diagram 7
 - C) Diagram 1
 - D) Diagram 6
 - E) Diagram 2
-

291 Answer the following question concerning DIAGRAM RY 00

Short-sighted people, People with a degree in Economics, Landowners

- A) Diagram 2
 - B) Diagram 6
 - C) Diagram 5
 - D) Diagram 7
 - E) Diagram 1
-

292 Answer the following question concerning DIAGRAM RY 00

Trees, Mushrooms, Oaks

- A) Diagram 1
 - B) Diagram 2
 - C) Diagram 6
 - D) Diagram 4
 - E) Diagram 5
-

293 Answer the following question concerning DIAGRAM RY 00

Phones, TV sets, Remote controls

- A) Diagram 6
 - B) Diagram 3
 - C) Diagram 1
 - D) Diagram 5
 - E) Diagram 2
-

294 Answer the following question concerning DIAGRAM RY 00

Truck drivers, Hungarian workforce, Buses

- A) Diagram 2
 - B) Diagram 1
 - C) Diagram 4
 - D) Diagram 6
 - E) Diagram 3
-

295 Answer the following question concerning DIAGRAM RY 00

Paintings, Furniture, Antiques

- A) Diagram 1
 - B) Diagram 7
 - C) Diagram 3
 - D) Diagram 2
 - E) Diagram 6
-

296 Answer the following question concerning DIAGRAM RY 00
Numbers between 31 and 35, Numbers between 25 and 45, Numbers between 30 and 40

- A) Diagram 6
 - B) Diagram 4
 - C) Diagram 1
 - D) Diagram 3
 - E) Diagram 2
-

297 Answer the following question concerning DIAGRAM RY 00
Lawyers, Talkative people, Strict people

- A) Diagram 4
 - B) Diagram 3
 - C) Diagram 1
 - D) Diagram 2
 - E) Diagram 5
-

298 Answer the following question concerning DIAGRAM RY 00
Doctors, Drugs, Drugstores

- A) Diagram 3
 - B) Diagram 6
 - C) Diagram 5
 - D) Diagram 1
 - E) Diagram 4
-

299 Answer the following question concerning DIAGRAM RY 00
British Pounds, Currencies, Banks

- A) Diagram 6
 - B) Diagram 2
 - C) Diagram 4
 - D) Diagram 7
 - E) Diagram 1
-

300 Answer the following question concerning DIAGRAM RY 00
Bones, Hair, Ribs

- A) Diagram 4
 - B) Diagram 3
 - C) Diagram 2
 - D) Diagram 6
 - E) Diagram 7
-

301 Answer the following question concerning DIAGRAM RY 00
Which of the following series is in the set relation described by Diagram 6?

- A) Numbers that can be divided by 6, Even numbers, Numbers that can be divided by 30
 - B) Citizens of Damascus, Citizens of Athens, Citizens of Ankara
 - C) Wood objects, Tables, Italian-made objects
 - D) Friendly people, Neapolitans, Parisians
 - E) Students, Outgoing people, Engaged people
-

302 Answer the following question concerning DIAGRAM RY 00

Cutlery, Beefsteaks, Bread

- A) Diagram 4
 - B) Diagram 2
 - C) Diagram 3
 - D) Diagram 6
 - E) Diagram 1
-

303 Answer the following question concerning DIAGRAM RY 00

Which of the following series of terms is connected by the set relation graphically represented by Diagram 5?

- A) Pieces of furniture, French-made items, French cities
 - B) Rock bands, The Rolling Stones, Concerts
 - C) Italian barmaids, Barmaids in their thirties, Married barmaids
 - D) Sports competitions, Olympic games, Marathoners
 - E) Pincers, Tools, Tool boxes
-

304 Answer the following question concerning DIAGRAM RY 00

Right triangles, Isosceles triangles, Squares

- A) Diagram 4
 - B) Diagram 3
 - C) Diagram 2
 - D) Diagram 6
 - E) Diagram 1
-

305 Answer the following question concerning DIAGRAM RY 00

Numbers divisible by 4, Even numbers, Numbers divisible by 20

- A) Diagram 4
 - B) Diagram 2
 - C) Diagram 6
 - D) Diagram 3
 - E) Diagram 7
-

306 Answer the following question concerning DIAGRAM RY 00

Students, Professors, Danish citizens

- A) Diagram 5
 - B) Diagram 1
 - C) Diagram 2
 - D) Diagram 4
 - E) Diagram 3
-

307 Answer the following question concerning DIAGRAM RY 00

Typewriters, Books, Writers

- A) Diagram 5
 - B) Diagram 7
 - C) Diagram 2
 - D) Diagram 6
 - E) Diagram 1
-

308 Answer the following question concerning DIAGRAM RY 00

Young people, Table tennis players, Superstitious people

- A) Diagram 3
 - B) Diagram 1
 - C) Diagram 4
 - D) Diagram 5
 - E) Diagram 6
-

309 Answer the following question concerning DIAGRAM RY 00

Illiterates, Writers, UK citizens

- A) Diagram 4
 - B) Diagram 3
 - C) Diagram 5
 - D) Diagram 1
 - E) Diagram 6
-

310 Answer the following question concerning DIAGRAM RY 00

Numbers between 5 and 8, Numbers between 4 and 14, Numbers between 12 and 22

- A) Diagram 2
 - B) Diagram 7
 - C) Diagram 3
 - D) Diagram 1
 - E) Diagram 4
-

311 Answer the following question concerning DIAGRAM RY 00

Which of the following series of terms is connected by the set relation graphically represented by Diagram 1?

- A) European cities, English cities, Welsh cities
 - B) Newspapers, Magazines, Publishing houses
 - C) Town halls, Towns with more than 10,000 inhabitants, Irish towns
 - D) Numbers between 10 and 15, Numbers between 5 and 30, Numbers smaller than 10
 - E) Dishwashers, Dishes, Bowls
-

312 Answer the following question concerning DIAGRAM RY 00

Which of the following series of terms is connected by the set relation graphically represented by Diagram 4?

- A) Chileans, Argentines, Students
 - B) Acacias, Trees, Plants
 - C) Italian rivers, Rivers longer than 50 km, Canals
 - D) Skiers, Austrians, Graduates
 - E) Burgundy, Europe, France
-

313 Answer the following question concerning DIAGRAM RY 00

Students, Boys, Schools

- A) Diagram 1
 - B) Diagram 4
 - C) Diagram 6
 - D) Diagram 5
 - E) Diagram 2
-

-
- 314 Answer the following question concerning DIAGRAM RY 00**
Numbers between 4 and 7, Numbers between 3 and 13, Numbers between 11 and 21
- A) Diagram 1
 - B) Diagram 4
 - C) Diagram 5
 - D) Diagram 2
 - E) Diagram 7
-

- 315 Answer the following question concerning DIAGRAM RY 00**
Physicians, Engineers, Authors of scientific papers
- A) Diagram 1
 - B) Diagram 3
 - C) Diagram 4
 - D) Diagram 2
 - E) Diagram 7
-

- 316 Answer the following question concerning DIAGRAM RY 00**
Which of the following sequences of elements can be described in terms of the set relation represented by Diagram 4?
- A) Plants, Oaks, Vegetables
 - B) Weddings, Christenings, Abbots
 - C) Journalists, Rock music lovers, Smokers
 - D) Pliers, Tools, Toolboxes
 - E) Soldiers, Russians, Astronomy lovers
-

- 317 Answer the following question concerning DIAGRAM RY 00**
Wanted persons, Foreigners, People with an athletic build
- A) Diagram 4
 - B) Diagram 3
 - C) Diagram 6
 - D) Diagram 2
 - E) Diagram 5
-

- 318 Answer the following question concerning DIAGRAM RY 00**
Earth's crust, Mountains, Black holes
- A) Diagram 4
 - B) Diagram 5
 - C) Diagram 6
 - D) Diagram 3
 - E) Diagram 1
-

- 319 Answer the following question concerning DIAGRAM RY 00**
Carbonated drinks, Drinks, Liquids
- A) Diagram 4
 - B) Diagram 5
 - C) Diagram 6
 - D) Diagram 3
 - E) Diagram 7
-

320 Answer the following question concerning DIAGRAM RY 00

Madrilenians, Europeans, Spanish citizens

- A) Diagram 3
 - B) Diagram 5
 - C) Diagram 2
 - D) Diagram 4
 - E) Diagram 7
-

321 Answer the following question concerning DIAGRAM RY 00

Animals, Hens, Birds

- A) Diagram 2
 - B) Diagram 3
 - C) Diagram 4
 - D) Diagram 6
 - E) Diagram 7
-

322 Answer the following question concerning DIAGRAM RY 00

Flowers, Plants, Camellias

- A) Diagram 2
 - B) Diagram 5
 - C) Diagram 1
 - D) Diagram 4
 - E) Diagram 7
-

323 Answer the following question concerning DIAGRAM RY 00

People with a high school degree, Law school graduates, Lawyers

- A) Diagram 5
 - B) Diagram 4
 - C) Diagram 6
 - D) Diagram 2
 - E) Diagram 7
-

324 Answer the following question concerning DIAGRAM RY 00

Numbers between 15 and 20, Numbers between 5 and 30, Numbers between 10 and 25

- A) Diagram 4
 - B) Diagram 5
 - C) Diagram 2
 - D) Diagram 1
 - E) Diagram 6
-

325 Answer the following question concerning DIAGRAM RY 00

Numbers between 25 and 50, Numbers between 30 and 45, Numbers between 35 and 40

- A) Diagram 4
 - B) Diagram 5
 - C) Diagram 1
 - D) Diagram 6
 - E) Diagram 2
-

-
- 326 Answer the following question concerning DIAGRAM RY 00**
Paintings displayed at the Louvre, Statues of illustrious persons, Paintings dating from the 18th century
- A) Diagram 6
 - B) Diagram 5
 - C) Diagram 2
 - D) Diagram 3
 - E) Diagram 1
-

- 327 Answer the following question concerning DIAGRAM RY 00**
Which of the following series of terms is connected by the set relation graphically represented by Diagram 7?
- A) Ambassadors, Customs officers, People who speak Italian as their mothertongue
 - B) Building materials, Stones, Bricks
 - C) Oaks, Walnut trees, Walnuts
 - D) Protagonists of tv series, French actors, Cinemas
 - E) Accused people, Convicts, People serving a life sentence
-

- 328 Answer the following question concerning DIAGRAM RY 00**
Numbers from 25 to 30, Numbers from 15 to 40, Numbers from 20 to 35
- A) Diagram 1
 - B) Diagram 5
 - C) Diagram 7
 - D) Diagram 2
 - E) Diagram 4
-

- 329 Answer the following question concerning DIAGRAM RY 00**
Which of the following series of terms is connected by the set relation graphically represented by Diagram 3?
- A) Arenas, Gladiators, Short people
 - B) Singers, People in their twenties, People in their sixties
 - C) iPhones, Smartphones, QWERTY Keyboards
 - D) US citizens, Singers, People with a high school degree
 - E) Italian lakes, Lakes greater than 100 km², European lakes
-

- 330 Answer the following question concerning DIAGRAM RY 00**
Flowers, Petals, Tulips
- A) Diagram 4
 - B) Diagram 5
 - C) Diagram 1
 - D) Diagram 2
 - E) Diagram 3
-

- 331 Answer the following question concerning DIAGRAM RY 00**
Human beings, Men, Children
- A) Diagram 4
 - B) Diagram 1
 - C) Diagram 3
 - D) Diagram 5
 - E) Diagram 6
-

332 Answer the following question concerning DIAGRAM RY 00
Smokers, Individuals born in Italy, Individuals born in Portugal

- A) Diagram 7
 - B) Diagram 5
 - C) Diagram 6
 - D) Diagram 2
 - E) Diagram 3
-

333 Answer the following question concerning DIAGRAM RY 00
Football players, Swiss citizens, Serious people

- A) Diagram 4
 - B) Diagram 5
 - C) Diagram 6
 - D) Diagram 2
 - E) Diagram 1
-

334 Answer the following question concerning DIAGRAM RY 00
Apartments, Kitchens, Dishes

- A) Diagram 6
 - B) Diagram 7
 - C) Diagram 4
 - D) Diagram 3
 - E) Diagram 2
-

335 Answer the following question concerning DIAGRAM RY 00
Iranians, Portuguese, Lawyers

- A) Diagram 1
 - B) Diagram 3
 - C) Diagram 2
 - D) Diagram 5
 - E) Diagram 4
-

336 Answer the following question concerning DIAGRAM RY 00
Actors, Theatres, Short people

- A) Diagram 1
 - B) Diagram 2
 - C) Diagram 5
 - D) Diagram 3
 - E) Diagram 4
-

337 Answer the following question concerning DIAGRAM RY 00
Newborns, Chinese, Indians

- A) Diagram 2
 - B) Diagram 5
 - C) Diagram 3
 - D) Diagram 4
 - E) Diagram 6
-

338 Answer the following question concerning DIAGRAM RY 00

Poets, Italians, Youngsters

- A) Diagram 2
 - B) Diagram 5
 - C) Diagram 6
 - D) Diagram 3
 - E) Diagram 1
-

339 Answer the following question concerning DIAGRAM RY 00

Paintings, Portraits, Models

- A) Diagram 5
 - B) Diagram 3
 - C) Diagram 1
 - D) Diagram 4
 - E) Diagram 7
-

340 Answer the following question concerning DIAGRAM RY 00

Museums, Parisian Museums, French Museums

- A) Diagram 3
 - B) Diagram 5
 - C) Diagram 1
 - D) Diagram 4
 - E) Diagram 2
-

341 Answer the following question concerning DIAGRAM RY 00

Long-sighted persons, Economics graduates, Landowners

- A) Diagram 1
 - B) Diagram 2
 - C) Diagram 6
 - D) Diagram 5
 - E) Diagram 4
-

342 Answer the following question concerning DIAGRAM RY 00

Italian singers, Rock singers, Guitars

- A) Diagram 6
 - B) Diagram 3
 - C) Diagram 4
 - D) Diagram 1
 - E) Diagram 2
-

343 Answer the following question concerning DIAGRAM RY 00

Numbers between 5 and 8, Numbers between 4 and 14, Numbers between 12 and 22

- A) Diagram 1
 - B) Diagram 4
 - C) Diagram 3
 - D) Diagram 7
 - E) Diagram 5
-

344 Answer the following question concerning DIAGRAM RY 00

Bar, Supermarket, French commercial businesses

- A) Diagram 5
 - B) Diagram 7
 - C) Diagram 3
 - D) Diagram 4
 - E) Diagram 1
-

345 Answer the following question concerning DIAGRAM RY 00

Newborn Babies, Pilots, Germans

- A) Diagram 1
 - B) Diagram 2
 - C) Diagram 3
 - D) Diagram 6
 - E) Diagram 4
-

346 Answer the following question concerning DIAGRAM RY 00

Writers, People born in Turin, Books

- A) Diagram 5
 - B) Diagram 3
 - C) Diagram 4
 - D) Diagram 2
 - E) Diagram 1
-

347 Answer the following question concerning DIAGRAM RY 00

Precious artwork, Painting, Portraits

- A) Diagram 1
 - B) Diagram 5
 - C) Diagram 4
 - D) Diagram 2
 - E) Diagram 7
-

348 Answer the following question concerning DIAGRAM RY 00

Heavenly bodies, Stars, Starships

- A) Diagram 7
 - B) Diagram 3
 - C) Diagram 1
 - D) Diagram 5
 - E) Diagram 2
-

349 Answer the following question concerning DIAGRAM RY 00

Plums, Fruits, Potatoes

- A) Diagram 5
 - B) Diagram 6
 - C) Diagram 2
 - D) Diagram 3
 - E) Diagram 1
-

350 Answer the following question concerning DIAGRAM RY 00

Parallelepipeds, Polygons, Pentagons

- A) Diagram 4
 - B) Diagram 2
 - C) Diagram 1
 - D) Diagram 3
 - E) Diagram 6
-

351 Answer the following question concerning DIAGRAM RY 00

Apples, Pears, Fruits picked this year

- A) Diagram 3
 - B) Diagram 6
 - C) Diagram 5
 - D) Diagram 1
 - E) Diagram 7
-

352 Answer the following question concerning DIAGRAM RY 00

Fashion designers, Americans, Magazines

- A) Diagram 1
 - B) Diagram 3
 - C) Diagram 5
 - D) Diagram 2
 - E) Diagram 6
-

353 Answer the following question concerning DIAGRAM RY 00

Daughters, Mothers, Sons

- A) Diagram 7
 - B) Diagram 3
 - C) Diagram 2
 - D) Diagram 4
 - E) Diagram 1
-

354 Answer the following question concerning DIAGRAM RY 00

Exagons, Polygons, Angles

- A) Diagram 6
 - B) Diagram 1
 - C) Diagram 4
 - D) Diagram 5
 - E) Diagram 2
-

355 Answer the following question concerning DIAGRAM RY 00

Delicious dishes, Sicilian dishes, Gluttons

- A) Diagram 4
 - B) Diagram 2
 - C) Diagram 3
 - D) Diagram 1
 - E) Diagram 7
-

356 Answer the following question concerning DIAGRAM RY 00

Accused, Sentenced, Prisoners

- A) Diagram 3
 - B) Diagram 5
 - C) Diagram 1
 - D) Diagram 4
 - E) Diagram 7
-

357 Answer the following question concerning DIAGRAM RY 00

Painters, Pianists, Musicians

- A) Diagram 7
 - B) Diagram 2
 - C) Diagram 4
 - D) Diagram 3
 - E) Diagram 6
-

358 Answer the following question concerning DIAGRAM RY 00

Flowers, Poppies, Goslings

- A) Diagram 1
 - B) Diagram 2
 - C) Diagram 6
 - D) Diagram 4
 - E) Diagram 3
-

359 Answer the following question concerning DIAGRAM RY 00

Elephants, Lions, Tamers

- A) Diagram 1
 - B) Diagram 4
 - C) Diagram 5
 - D) Diagram 3
 - E) Diagram 6
-

360 Answer the following question concerning DIAGRAM RY 00

Numbers between 1 and 22, Numbers between 5 and 11, Numbers divisible by 7

- A) Diagram 1
 - B) Diagram 5
 - C) Diagram 3
 - D) Diagram 4
 - E) Diagram 7
-

361 Answer the following question concerning DIAGRAM RY 00

Three-lane motorways, Italian motorways, Motorway toll gates

- A) Diagram 1
 - B) Diagram 5
 - C) Diagram 4
 - D) Diagram 3
 - E) Diagram 7
-

DIAGRAM RY 02

RELATION 1



RELATION 2



RELATION 3



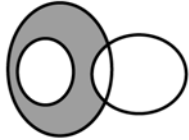
RELATION 4



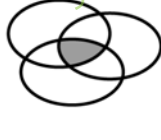
RELATION 5



RELATION 6



RELATION 7



RELATION 8



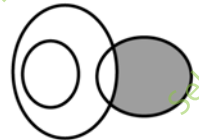
RELATION 9



RELATION 10



RELATION 11



RELATION 12

362 Answer the following question concerning DIAGRAM RY 02

The three terms "Italian singers, Rock singers, Guitars" are connected by a specific set relation. Within this relation, "Guitars belonging to rock singers" can be found in the blackened part of relation:

- A) 2
- B) 6
- C) none of the other answers is correct
- D) 1
- E) 10

363 Answer the following question concerning DIAGRAM RY 02

The three terms "Italian singers, Rock singers, Guitars" are connected by a specific set relation. Within this relation, "Italian pop singer" can be found in the black part of:

- A) relation 1
- B) relation 2
- C) relation 6
- D) relation 9
- E) relation 10

364 Answer the following question concerning DIAGRAM RY 02

The three terms "Italian singers, Rock singers, Guitars" are connected by a specific set relation. Within this relation, "Italian opera singer" can be found in the blackened part of:

- A) relation 6
- B) relation 2
- C) relation 1
- D) relation 9
- E) relation 10

365 Answer the following question concerning DIAGRAM RY 02

The three terms "Toddlers, Pilots, Germans" are connected by a specific set relation. Within this relation, "Toddler born in Berlin" can be found in the black part of:

- A) relation 2
- B) relation 6
- C) relation 12
- D) relation 3
- E) relation 9

366 Answer the following question concerning DIAGRAM RY 02

The three terms "Toddlers, Pilots, Germans" are connected by a specific set relation. Within this relation, "Young German pilots" can be found in the black part of:

- A) relation 12
 - B) relation 2
 - C) relation 6
 - D) relation 3
 - E) relation 11
-

367 Answer the following question concerning DIAGRAM RY 02

The three terms "Numbers between 1 and 22, Numbers between 5 and 11, Even numbers divisible by 7" are connected by a specific set relation. Within this relation, "14" can be found in the black part of:

- A) relation 5
 - B) relation 7
 - C) relation 3
 - D) relation 4
 - E) relation 12
-

368 Answer the following question concerning DIAGRAM RY 02

The three terms "Numbers between 5 and 8, Numbers between 4 and 14, Numbers between 12 and 22" are connected by a specific set relation. Within this relation, "13" can be found in the black part of:

- A) relation 2
 - B) relation 12
 - C) relation 4
 - D) relation 3
 - E) relation 8
-

369 Answer the following question concerning DIAGRAM RY 02

The three terms "Cafés, Supermarkets, French businesses" are connected by a specific set relation. Within this relation, "French butcher's shops" can be found in the black part of:

- A) relation 5
 - B) relation 6
 - C) relation 8
 - D) relation 9
 - E) relation 1
-

370 Answer the following question concerning DIAGRAM RY 02

The three terms "Toddlers, Pilots, Germans" are connected by a specific set relation. Within this relation, "Hermann Hesse" can be found in the black part of:

- A) relation 2
 - B) relation 1
 - C) relation 7
 - D) relation 5
 - E) relation 9
-

371 Answer the following question concerning DIAGRAM RY 02

The three terms "Toddlers, Pilots, Germans" are connected by a specific set relation. Within this relation, "Ludwig van Beethoven" can be found in the black part of:

- A) relation 11
 - B) relation 5
 - C) relation 12
 - D) relation 3
 - E) relation 6
-

372 Answer the following question concerning DIAGRAM RY 02

The three terms "Toddlers, Pilots, Germans" are connected by a specific set relation. Within this relation, "Johann Wolfgang Goethe" can be found in the black part of:

- A) relation 12
 - B) relation 6
 - C) relation 5
 - D) relation 3
 - E) relation 11
-

373 Answer the following question concerning DIAGRAM RY 02

The three terms "Toddlers, Pilots, Germans" are connected by a specific set relation. Within this relation, "Thomas Mann" can be found in the black part of:

- A) relation 12
 - B) relation 6
 - C) relation 5
 - D) relation 3
 - E) relation 11
-

374 Answer the following question concerning DIAGRAM RY 02

The three terms "Toddlers, Pilots, Germans" are connected by a specific set relation. Within this relation, "Angela Merkel" can be found in the black part of:

- A) relation 5
 - B) relation 6
 - C) relation 12
 - D) relation 3
 - E) relation 11
-

375 Answer the following question concerning DIAGRAM RY 02

The three terms "Toddlers, Pilots, Germans" are connected by a specific set relation. Within this relation, "Bertolt Brecht" can be found in the black part of:

- A) relation 6
 - B) relation 11
 - C) relation 12
 - D) relation 3
 - E) relation 5
-

376 Answer the following question concerning DIAGRAM RY 02

The three terms "Toddlers, Pilots, Germans" are connected by a specific set relation. Within this relation, "Michael Schumacher" can be found in the black part of:

- A) relation 6
 - B) relation 3
 - C) relation 12
 - D) relation 2
 - E) relation 11
-

377 Answer the following question concerning DIAGRAM RY 02

The three terms "Numbers between 1 and 22, Numbers between 5 and 11, Even numbers divisible by 7" are connected by a specific set relation. Within this relation, "4" can be found in the black part of:

- A) relation 3
 - B) relation 7
 - C) relation 8
 - D) relation 1
 - E) relation 6
-

378 Answer the following question concerning DIAGRAM RY 02

The three terms "Numbers between 6 and 9, Numbers between 5 and 15, Numbers between 13 and 23" are connected by a specific set relation. Within this relation, "12" can be found in the black part of:

- A) relation 5
 - B) relation 12
 - C) relation 3
 - D) relation 2
 - E) relation 7
-

379 Answer the following question concerning DIAGRAM RY 02

The three terms "Numbers between 6 and 9, Numbers between 5 and 15, Numbers between 13 and 23" are connected by a specific set relation. Within this relation, "11" can be found in the black part of:

- A) relation 7
 - B) relation 5
 - C) relation 3
 - D) relation 2
 - E) relation 12
-

380 Answer the following question concerning DIAGRAM RY 02

The three terms "Numbers between 6 and 9, Numbers between 5 and 15, Numbers between 13 and 23" are connected by a specific set relation. Within this relation, "10" can be found in the black part of:

- A) relation 2
 - B) relation 5
 - C) relation 3
 - D) relation 7
 - E) relation 12
-

381 Answer the following question concerning DIAGRAM RY 02

The three terms "Numbers between 5 and 8, Numbers between 4 and 14, Numbers between 12 and 22" are connected by a specific set relation. Within this relation, "11" can be found in the black part of:

- A) relation 8
 - B) relation 12
 - C) relation 4
 - D) relation 7
 - E) relation 2
-

382 Answer the following question concerning DIAGRAM RY 02

The three terms "Toddlers, Pilots, Germans" are connected by a specific set relation. Within this relation, "Italian pilots" can be found in the black part of:

- A) relation 9
 - B) relation 6
 - C) relation 12
 - D) relation 3
 - E) relation 11
-

383 Answer the following question concerning DIAGRAM RY 02

The three terms "Toddlers, Pilots, Germans" are connected by a specific set relation. Within this relation, "French toddlers" can be found in the black part of:

- A) relation 12
 - B) relation 6
 - C) relation 11
 - D) relation 3
 - E) relation 9
-

384 Answer the following question concerning DIAGRAM RY 02

The three terms "Numbers between 6 and 9, Numbers between 5 and 15, Numbers between 13 and 23" are connected by a specific set relation. Within this relation, "23" can be found in the black part of:

- A) relation 3
 - B) relation 7
 - C) relation 10
 - D) relation 4
 - E) relation 12
-

385 Answer the following question concerning DIAGRAM RY 02

The three terms "Numbers between 5 and 8, Numbers between 4 and 14, Numbers between 12 and 22" are connected by a specific set relation. Within this relation, "16" can be found in the black part of:

- A) relation 7
 - B) relation 4
 - C) relation 12
 - D) relation 2
 - E) relation 8
-

386 Answer the following question concerning DIAGRAM RY 02

The three terms "Numbers between 5 and 8, Numbers between 4 and 14, Numbers between 12 and 22" are connected by a specific set relation. Within this relation, "14" can be found in the blackened part of:

- A) relation 2
 - B) relation 12
 - C) relation 4
 - D) relation 3
 - E) relation 8
-

387 Answer the following question concerning DIAGRAM RY 02

The three terms "Numbers between 6 and 9, Numbers between 5 and 15, Numbers between 13 and 23" are connected by a specific set relation. Within this relation, "14" can be found in the blackened part of relation:

- A) number 2
 - B) number 12
 - C) number 3
 - D) number 4
 - E) number 5
-

388 Answer the following question concerning DIAGRAM RY 02

The three terms "Poets, People who were born in Italy, Books" are connected by a specific set relation. Within this relation, "Dante Alighieri, born in Florence" can be found in the blackened part of relation:

- A) number 6
 - B) number 2
 - C) number 3
 - D) number 1
 - E) number 12
-

389 Answer the following question concerning DIAGRAM RY 02

The three terms "Writers, People born in England, Books" are connected by a specific set relation. Within this relation, "James Joyce, born in Irland" can be found in the blackened part of:

- A) relation 9
 - B) relation 2
 - C) relation 1
 - D) relation 12
 - E) relation 3
-

390 Answer the following question concerning DIAGRAM RY 02

The three terms "Bar, Supermarket, French commercial businesses" are connected by a specific set relation. Within this relation, "Bar with slot machine in Milan" can be found in the blackened part of:

- A) relation 5
 - B) relation 6
 - C) relation 8
 - D) relation 9
 - E) relation 1
-

391 Answer the following question concerning DIAGRAM RY 02

The three terms "Numbers between 1 and 22, Numbers between 5 and 11, Numbers divisible by 7" are connected by a specific set relation. Within this relation, "56" can be found in the blackened part of:

- A) relation 5
 - B) relation 3
 - C) relation 7
 - D) relation 4
 - E) relation 12
-

392 Answer the following question concerning DIAGRAM RY 02

The three terms "Newborn Babies, Pilots, Germans" are connected by a specific set relation. Within this relation, "German teenager" can be found in the blackened part of:

- A) relation 6
 - B) relation 5
 - C) relation 12
 - D) relation 3
 - E) relation 11
-

393 Answer the following question concerning DIAGRAM RY 02

The three terms "Numbers between 6 and 9, Numbers between 5 and 15, Numbers between 13 and 23" are connected by a specific set relation. Within this relation, "5" can be found in the blackened part of:

- A) relation 3
 - B) relation 7
 - C) relation 5
 - D) relation 2
 - E) relation 12
-

394 Answer the following question concerning DIAGRAM RY 02

The three terms "Numbers between 1 and 22, Numbers between 5 and 11, Numbers divisible by 7" are connected by a specific set relation. Within this relation, "28" can be found in the blackened part of:

- A) relation 9
- B) relation 3
- C) relation 7
- D) relation 4
- E) relation 12

-
- 395 Z L F Q.** Considering the individual letters from a pure geometrical point of view, what is the sum of their axes of symmetry?
- A) 2
 - B) 1
 - C) 3
 - D) 0
 - E) 4
-
- 396 DADA PEPE INNI BEPI.** How many words, between the previous, considered from a pure geometrical point of view, have one and only one axis of symmetry?
- A) 0
 - B) 1
 - C) 2
 - D) 3
 - E) 4
-
- 397 MAMI BIBO LOLO VIVI.** How many words, between the previous, considered from a pure geometrical point of view, have one and only one axis of symmetry?
- A) 3
 - B) 1
 - C) 2
 - D) 4
 - E) 0
-
- 398 MAMA BIBU KOKO TITO.** How many words, between the previous, considered from a pure geometrical point of view, have one and only one axis of symmetry?
- A) 4
 - B) 2
 - C) 1
 - D) 3
 - E) 0
-
- 399 WAVE MIMO OSSO EXXE.** How many words, between the previous, considered from a pure geometrical point of view, have one and only one axis of symmetry?
- A) 0
 - B) 3
 - C) 2
 - D) 1
 - E) 4
-
- 400 HAHA EHHE DODI HEHE.** How many words, between the previous, considered from a pure geometrical point of view, have one and only one axis of symmetry?
- A) 3
 - B) 0
 - C) 1
 - D) 4
 - E) 2
-

-
- 401 IOOI JEJE EHHE ECCE. How many words, between the previous, considered from a pure geometrical point of view, have one and only one axis of symmetry?
- A) 3
 - B) 2
 - C) 1
 - D) 0
 - E) 4
-
- 402 LELO ANNA ADDA BABU. How many words, between the previous, considered from a pure geometrical point of view, have two axes of symmetry?
- A) 4
 - B) 1
 - C) 2
 - D) 0
 - E) 3
-
- 403 PEPE ALLA BEPI DADA. How many words, between the previous, considered from a pure geometrical point of view, have two axes of symmetry?
- A) 2
 - B) 1
 - C) 4
 - D) 3
 - E) 0
-
- 404 MEMO INNI BEBE CACO. How many words, between the previous, considered from a pure geometrical point of view, have two axes of symmetry?
- A) 1
 - B) 0
 - C) 2
 - D) 3
 - E) 4
-
- 405 YOYO LILU ZUZU YAYA. Considering the previous words from a pure geometrical point of view, what is the sum of their axes of symmetry?
- A) 0
 - B) 1
 - C) 2
 - D) 3
 - E) 4
-
- 406 OTTO BIBO VIVO QAQI. Considering the previous words from a pure geometrical point of view, what is the sum of their axes of symmetry?
- A) 2
 - B) 0
 - C) 4
 - D) 3
 - E) 1
-

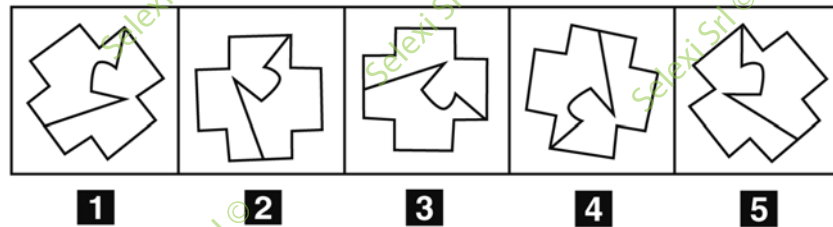
407 **XOXO KIKU ZIZI NANI.** Considering the previous words from a pure geometrical point of view, what is the sum of their axes of symmetry?

- A) 2
- B) 0
- C) 4
- D) 3
- E) 1

408 **ETTE NINU ZIZO XAXA.** Considering the previous words from a pure geometrical point of view, what is the sum of their axes of symmetry?

- A) 1
- B) 3
- C) 2
- D) 0
- E) 4

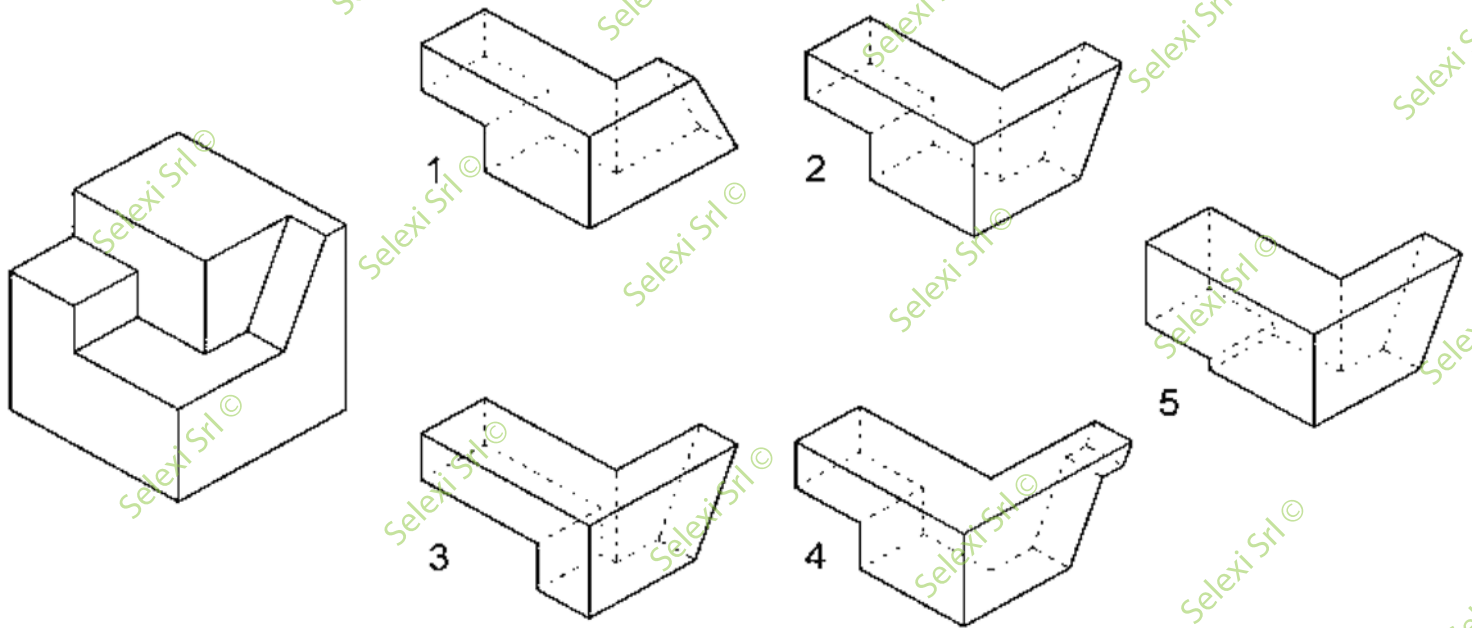
PICTURE SZ 97



409 **Answer the following question concerning PICTURE SZ 97**

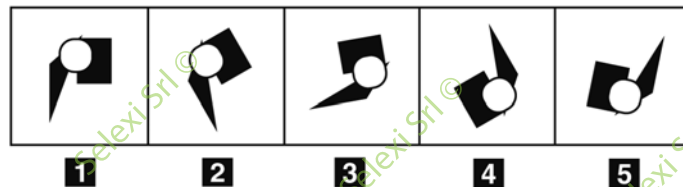
Find the figure that does NOT fit in.

- A) Figure 1
- B) Figure 4
- C) Figure 3
- D) Figure 5
- E) Figure 2

PICTURE SR 19

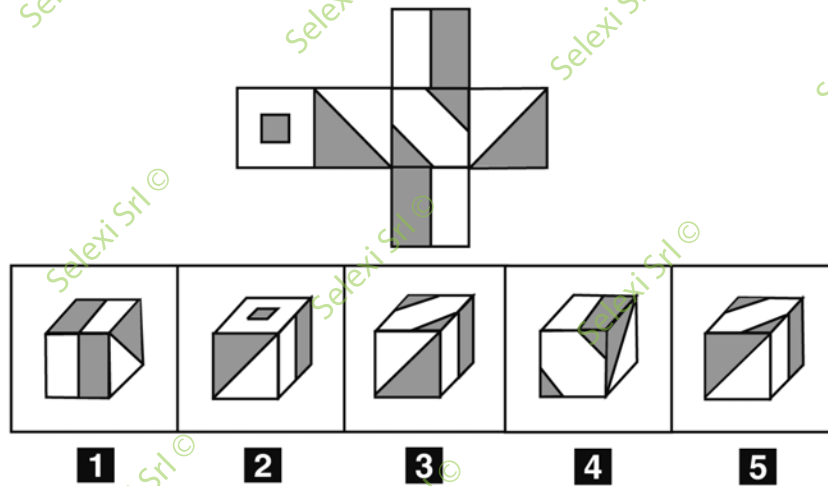
410 Answer the following question concerning PICTURE SR 19
Which part is missing to complete the solid and to obtain a cube?

- A) Figure 2
- B) Figure 1
- C) Figure 4
- D) Figure 3
- E) Figure 5

IMAGE SZ 03

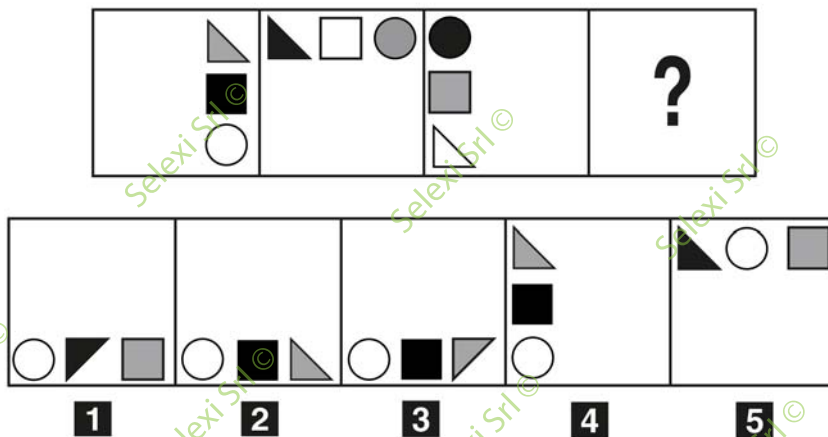
411 Answer the following question concerning IMAGE SZ 03
Find the figure that does NOT fit in the series.

- A) Figure 3
- B) Figure 2
- C) Figure 1
- D) Figure 4
- E) Figure 5

IMAGE SZ 05

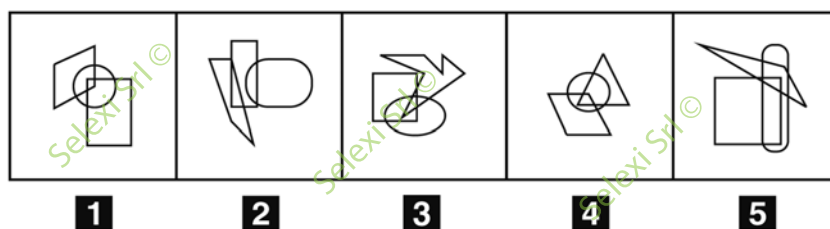
412 Answer the following question concerning IMAGE SZ 05
Which cube can be obtained from the given figure?

- A) Figure 5
- B) Figure 1
- C) Figure 2
- D) Figure 4
- E) Figure 3

IMAGE SZ 08

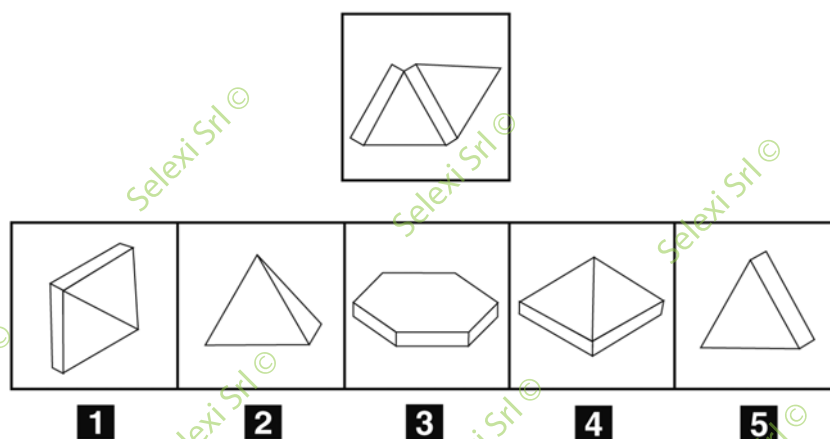
413 Answer the following question concerning IMAGE SZ 08
Find the figure that completes the series.

- A) Figure 4
- B) Figure 2
- C) Figure 1
- D) Figure 5
- E) Figure 3

IMAGE SZ 09

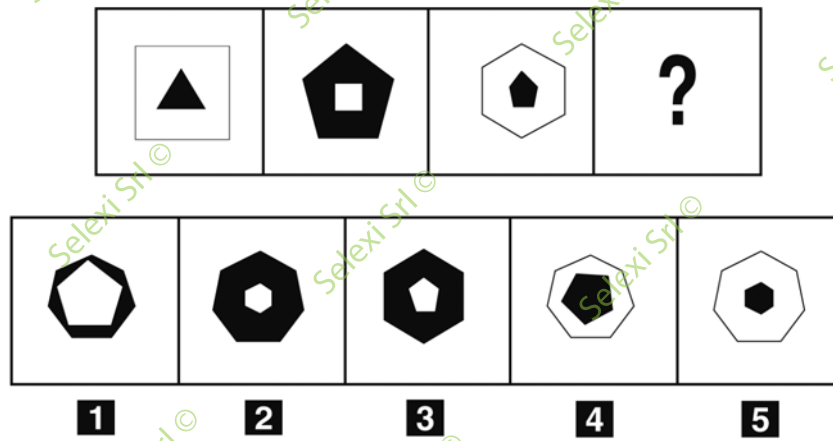
414 Answer the following question concerning IMAGE SZ 09
Find the figure that does NOT fit in.

- A) Figure 1
- B) Figure 2
- C) Figure 3
- D) Figure 5
- E) Figure 4

IMAGE SZ 10

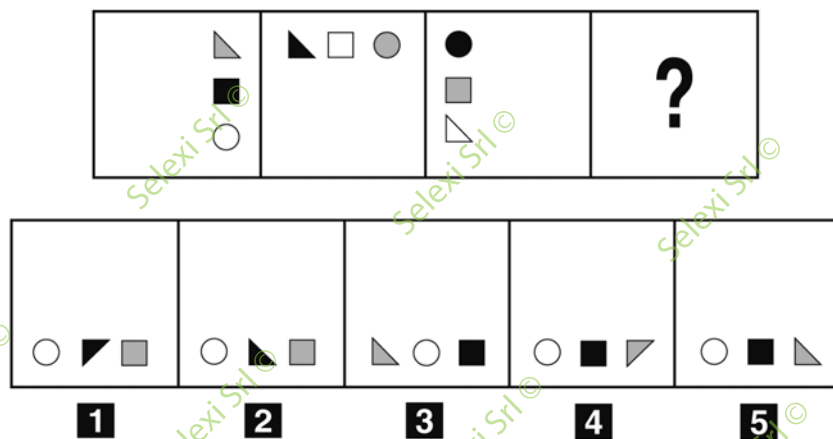
415 Answer the following question concerning IMAGE SZ 10
Which of the figures corresponds to the volumetric composition of the plan figure?

- A) Figure 5
- B) Figure 1
- C) Figure 4
- D) Figure 2
- E) Figure 3

IMAGE SZ 15

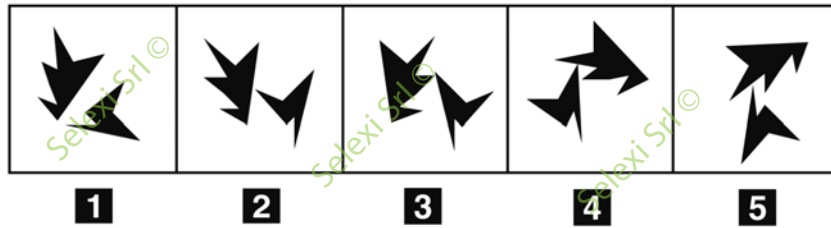
416 Answer the following question concerning IMAGE SZ 15
Find the figure that correctly completes the series.

- A) Figure 4
- B) Figure 3
- C) Figure 2
- D) Figure 1
- E) Figure 5

IMAGE SZ 17

417 Answer the following question concerning IMAGE SZ 17
Find the figure that completes the series.

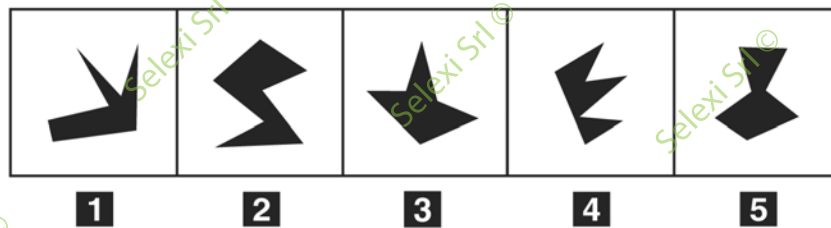
- A) Figure 1
- B) Figure 3
- C) Figure 2
- D) Figure 4
- E) Figure 5

IMAGE SZ 28

418 Answer the following question concerning IMAGE SZ 28

Which figure does NOT fit in the series?

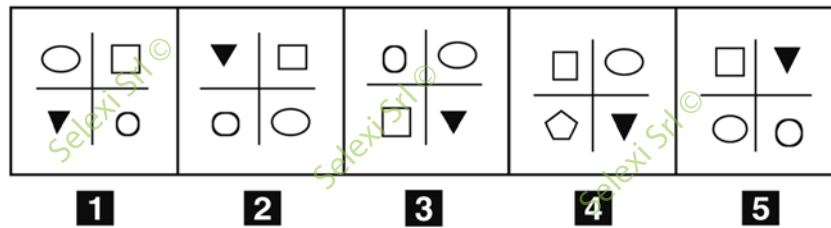
- A) Figure 3
- B) Figure 2
- C) Figure 1
- D) Figure 4
- E) Figure 5

IMAGE SZ 36

419 Answer the following question concerning IMAGE SZ 36

Which figure does NOT fit in the series?

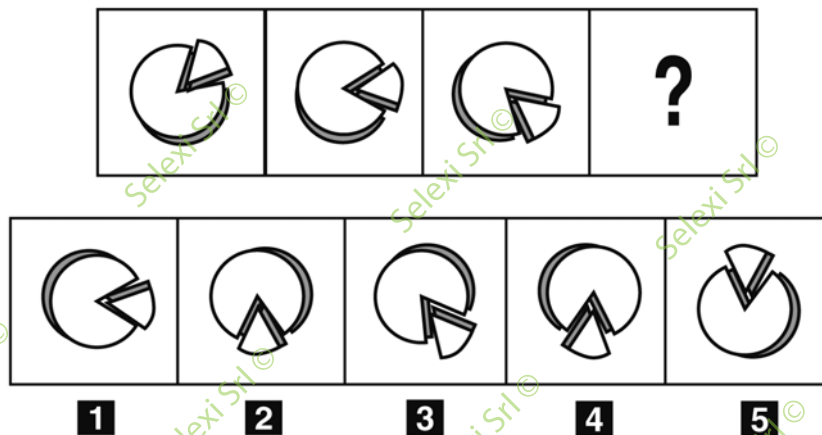
- A) Figure 4
- B) Figure 2
- C) Figure 3
- D) Figure 1
- E) Figure 5

IMAGE SZ 38

420 Answer the following question concerning IMAGE SZ 38

Find the figure that does NOT fit in.

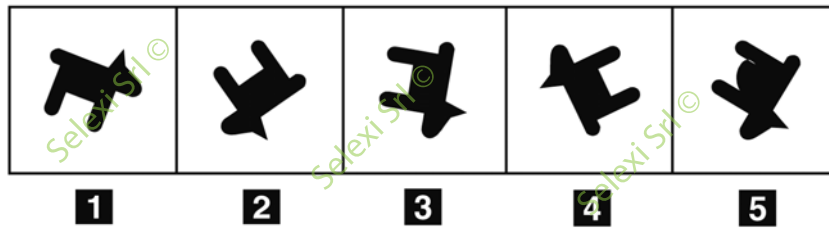
- A) Figure 1
- B) Figure 3
- C) Figure 2
- D) Figure 4
- E) Figure 5

IMAGE SZ 47

421 Answer the following question concerning IMAGE SZ 47

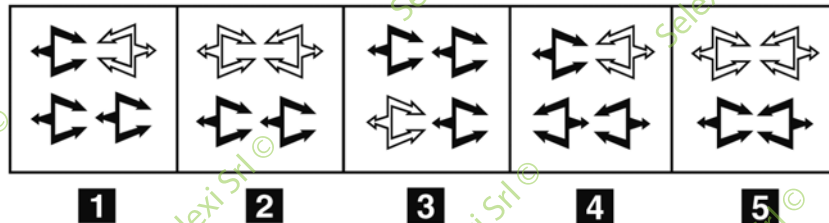
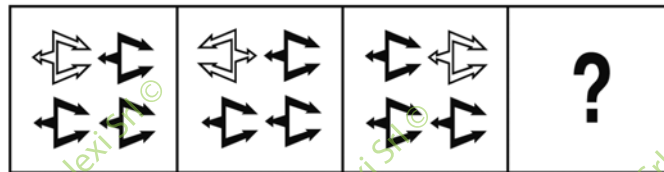
Find the figure that completes the series.

- A) Figure 5
- B) Figure 1
- C) Figure 4
- D) Figure 2
- E) Figure 3

IMAGE SZ 48

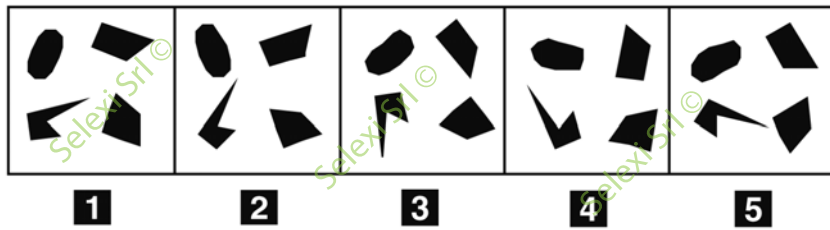
422 Answer the following question concerning IMAGE SZ 48
Which of the following figures does NOT fit in the series?

- A) Figure 1
- B) Figure 5
- C) Figure 2
- D) Figure 3
- E) Figure 4

IMAGE SZ 49

423 Answer the following question concerning IMAGE SZ 49
Find the figure that completes the series.

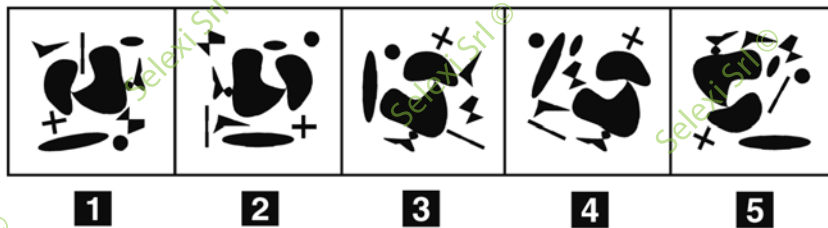
- A) Figure 2
- B) Figure 3
- C) Figure 1
- D) Figure 4
- E) Figure 5

IMAGE SZ 50

424 Answer the following question concerning IMAGE SZ 50

Which figure does NOT fit in the series?

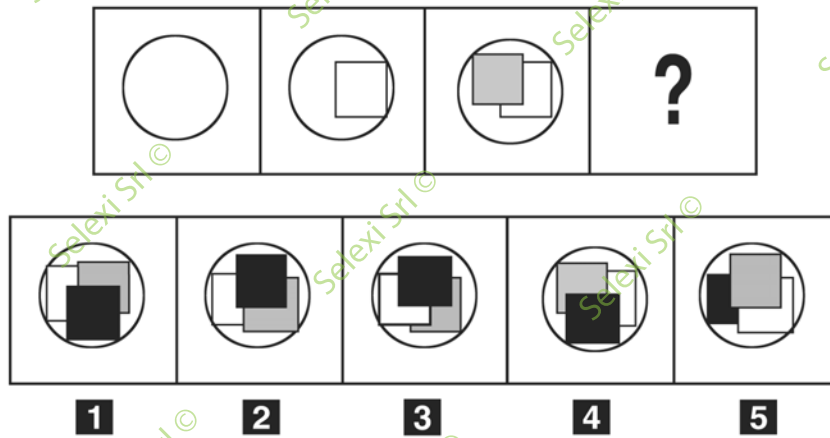
- A) Figure 3
- B) Figure 2
- C) Figure 1
- D) Figure 4
- E) Figure 5

IMAGE SZ 54

425 Answer the following question concerning IMAGE SZ 54

Which of the following figures does NOT fit in the series?

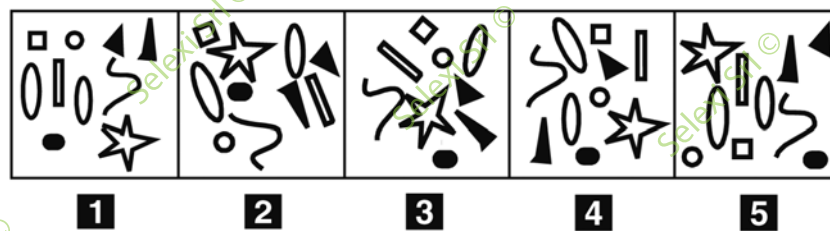
- A) Figure 1
- B) Figure 2
- C) Figure 5
- D) Figure 4
- E) Figure 3

IMAGE SZ 55

426 Answer the following question concerning IMAGE SZ 55

Find the figure that completes the series.

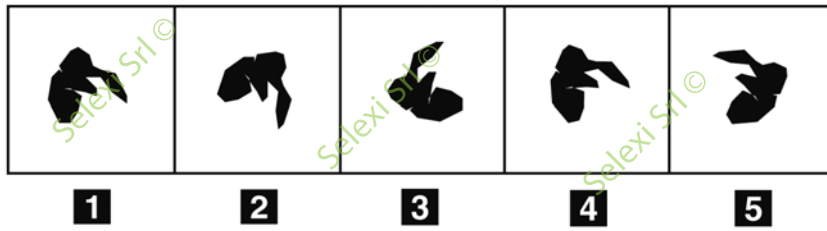
- A) Figure 4
- B) Figure 3
- C) Figure 2
- D) Figure 1
- E) Figure 5

IMAGE SZ 56

427 Answer the following question concerning IMAGE SZ 56

Which of the following figures does NOT fit in the series?

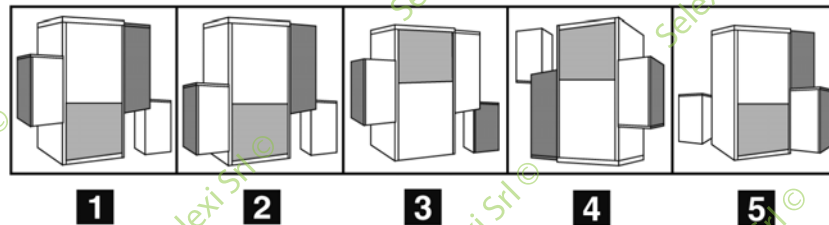
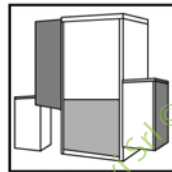
- A) Figure 2
- B) Figure 3
- C) Figure 4
- D) Figure 5
- E) Figure 1

IMAGE SZ 62

428 Answer the following question concerning IMAGE SZ 62

Find the figure that does NOT fit in.

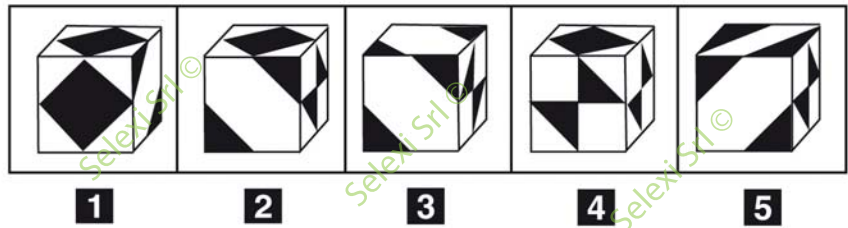
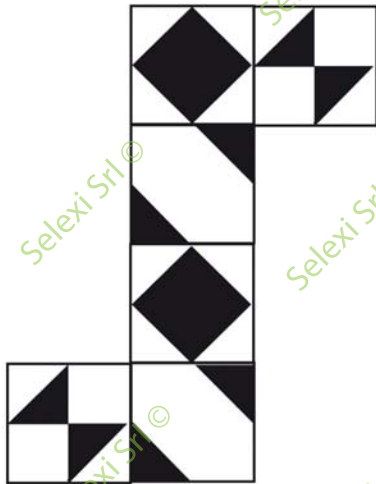
- A) Figure 4
- B) Figure 2
- C) Figure 3
- D) Figure 5
- E) Figure 1

IMAGE SZ 64

429 Answer the following question concerning IMAGE SZ 64

Which of the figures below corresponds to the mirror image of the given figure?

- A) Figure 1
- B) Figure 3
- C) Figure 5
- D) Figure 4
- E) Figure 2

IMAGE SZ 66

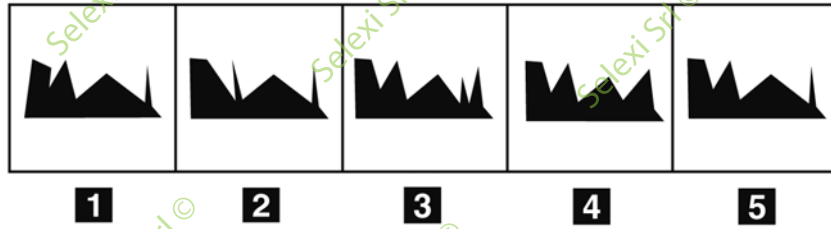
430 Answer the following question concerning **IMAGE SZ 66**
Which of the following cubes can be obtained from the given figure?

- A) Figure 3
- B) Figure 1
- C) Figure 4
- D) Figure 2
- E) Figure 5

IMAGE SZ 67

431 Answer the following question concerning **IMAGE SZ 67**
Which of the following figures does NOT fit in the series?

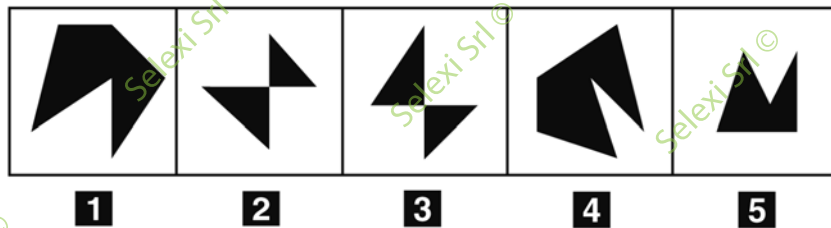
- A) Figure 2
- B) Figure 3
- C) Figure 4
- D) Figure 5
- E) Figure 1

IMAGE SZ 71

432 Answer the following question concerning IMAGE SZ 71

Which of the figures below corresponds to the mirror image of the given figure?

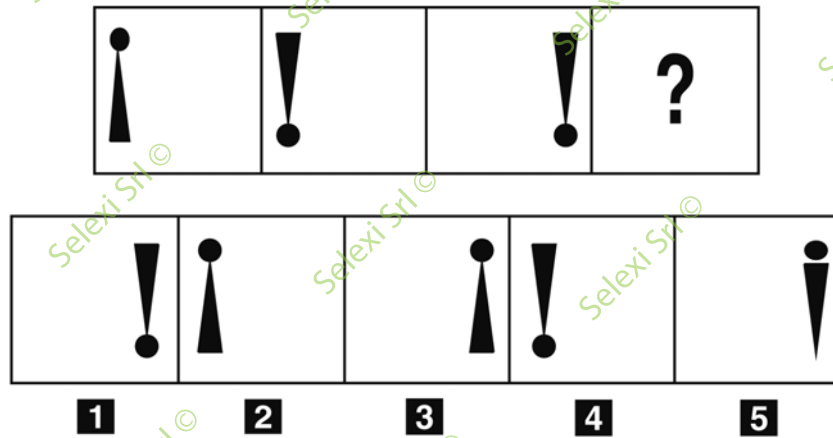
- A) Figure 4
- B) Figure 1
- C) Figure 3
- D) Figure 2
- E) Figure 5

IMAGE SZ 73

433 Answer the following question concerning IMAGE SZ 73

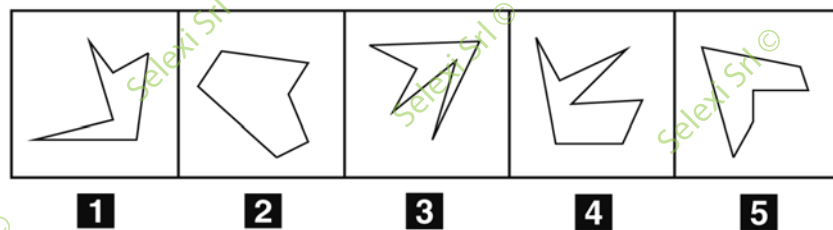
Find the figure that does NOT fit in.

- A) Figure 1
- B) Figure 5
- C) Figure 2
- D) Figure 4
- E) Figure 3

IMAGE SZ 98

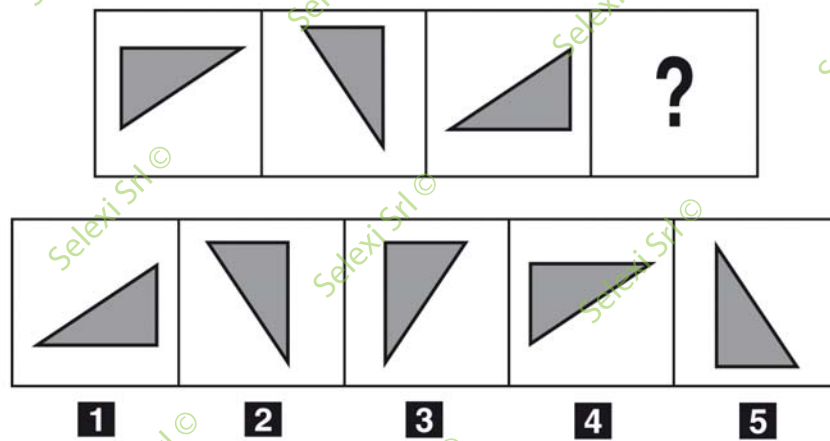
434 Answer the following question concerning IMAGE SZ 98
Determine which figure correctly completes the series.

- A) Figure 5
- B) Figure 3
- C) Figure 4
- D) Figure 1
- E) Figure 2

IMAGE SZ 99

435 Answer the following question concerning IMAGE SZ 99
Choose the alternative that does NOT fit in the group.

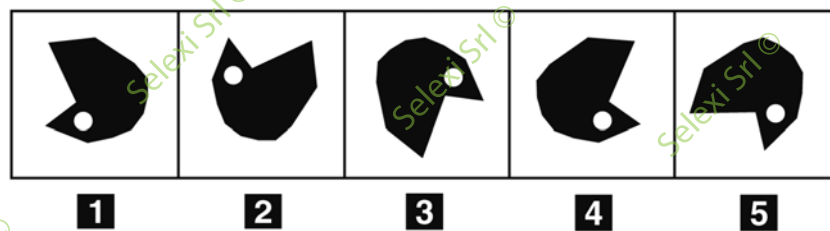
- A) Figure 5
- B) Figure 3
- C) Figure 4
- D) Figure 1
- E) Figure 2

IMAGE SN 01

436 Answer the following question concerning IMAGE SN 01

Find the figure that completes the series.

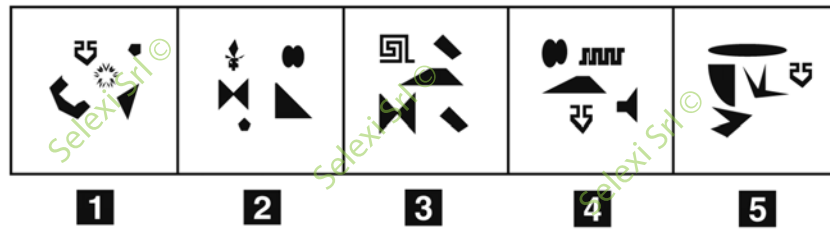
- A) Figure 4
- B) Figure 3
- C) Figure 2
- D) Figure 1
- E) Figure 5

IMAGE SN 02

437 Answer the following question concerning IMAGE SN 02

Find the figure that does NOT fit in.

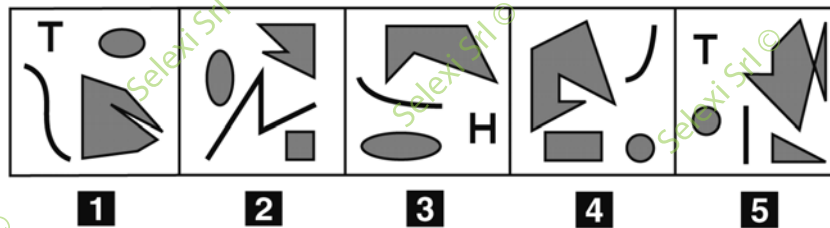
- A) Figure 1
- B) Figure 4
- C) Figure 2
- D) Figure 5
- E) Figure 3

IMAGE SN 04

438 Answer the following question concerning IMAGE SN 04

Which figure does NOT fit in the series?

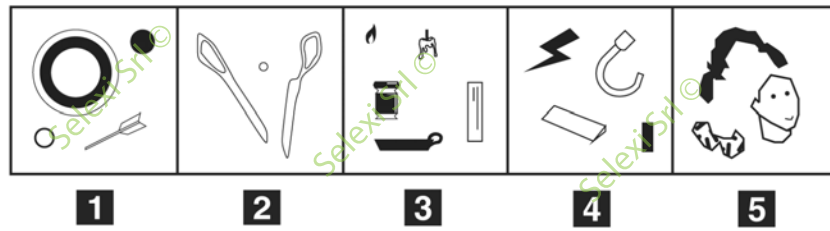
- A) Figure 2
- B) Figure 4
- C) Figure 3
- D) Figure 1
- E) Figure 5

IMAGE SN 05

439 Answer the following question concerning IMAGE SN 05

Which of the following figures does NOT fit in the series?

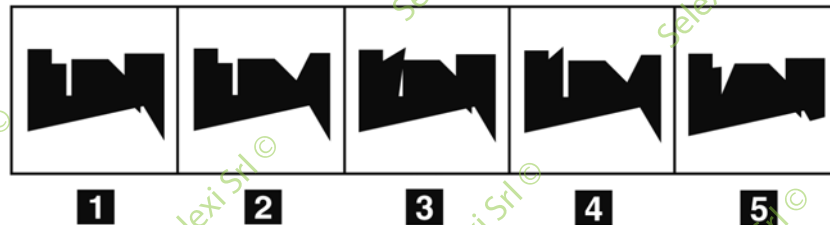
- A) Figure 1
- B) Figure 4
- C) Figure 2
- D) Figure 5
- E) Figure 3

IMAGE SN 06

440 Answer the following question concerning IMAGE SN 06

Find the figure that does NOT fit in.

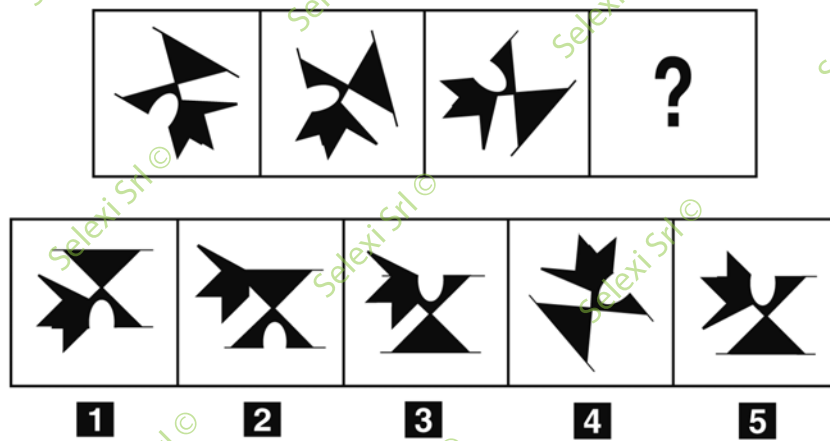
- A) Figure 2
- B) Figure 1
- C) Figure 4
- D) Figure 3
- E) Figure 5

IMAGE SN 07

441 Answer the following question concerning IMAGE SN 07

Which of the figures below corresponds to the mirror image of the given figure?

- A) Figure 4
- B) Figure 2
- C) Figure 1
- D) Figure 3
- E) Figure 5

IMAGE SN 08

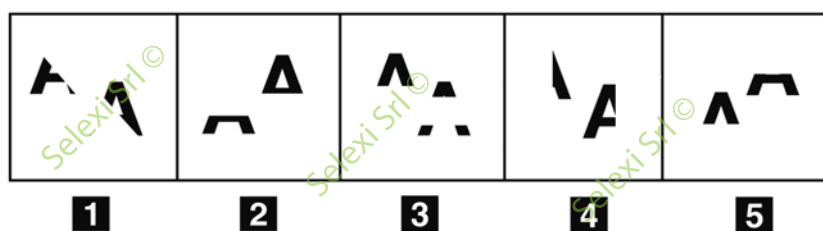
442 Answer the following question concerning IMAGE SN 08
Find the figure that correctly completes the series.

- A) Figure 2
- B) Figure 1
- C) Figure 4
- D) Figure 3
- E) Figure 5

IMAGE SN 10

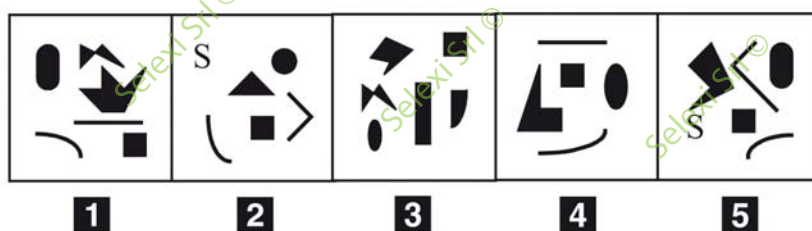
443 Answer the following question concerning IMAGE SN 10
Find the figure that does NOT fit in.

- A) Figure 4
- B) Figure 5
- C) Figure 3
- D) Figure 2
- E) Figure 1

IMAGE SN 11

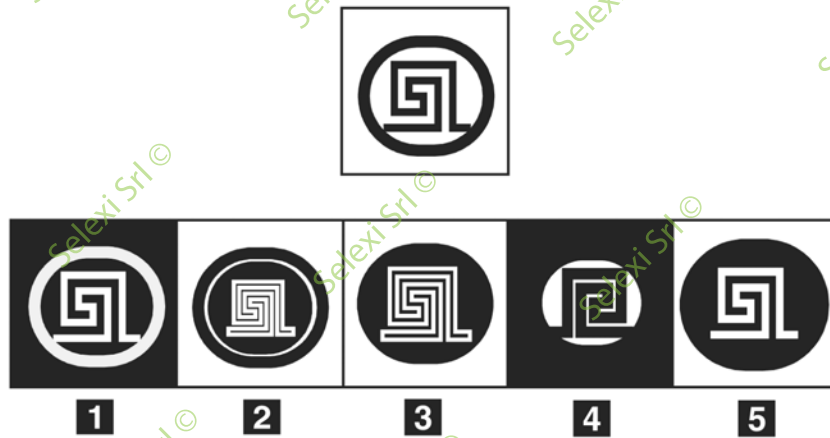
444 Answer the following question concerning IMAGE SN 11
Which of the following figures does NOT fit in the series?

- A) Figure 2
- B) Figure 1
- C) Figure 3
- D) Figure 5
- E) Figure 4

IMAGE SN 12

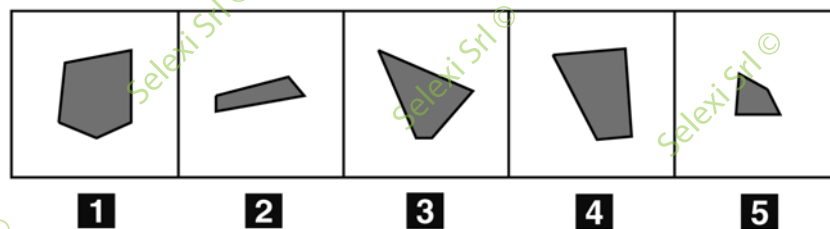
445 Answer the following question concerning IMAGE SN 12
Which of the following figures does NOT fit in the series?

- A) Figure 3
- B) Figure 5
- C) Figure 2
- D) Figure 4
- E) Figure 1

IMAGE SN 14

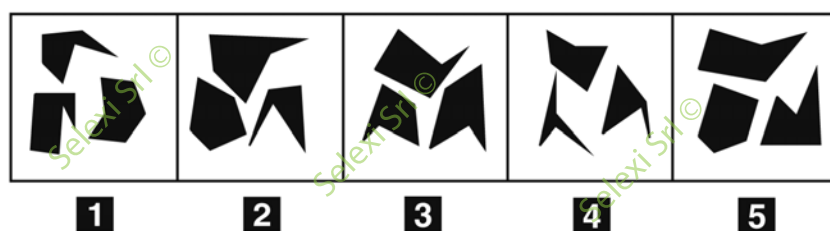
446 Answer the following question concerning IMAGE SN 14
Find the negative version of the given figure.

- A) Figure 2
- B) Figure 1
- C) Figure 5
- D) Figure 3
- E) Figure 4

IMAGE SN 15

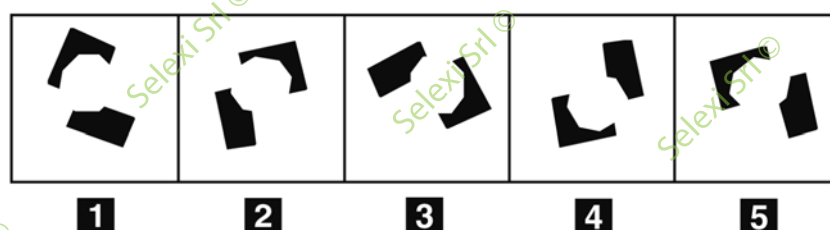
447 Answer the following question concerning IMAGE SN 15
Which of the following figures does NOT fit in the series?

- A) Figure 3
- B) Figure 1
- C) Figure 4
- D) Figure 2
- E) Figure 5

IMAGE SN 18

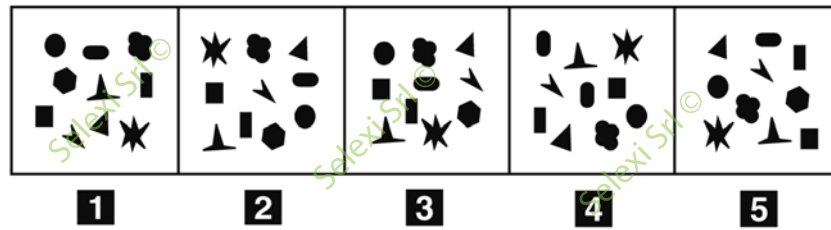
448 Answer the following question concerning IMAGE SN 18
Which figure does NOT fit in the series?

- A) Figure 5
- B) Figure 2
- C) Figure 3
- D) Figure 1
- E) Figure 4

IMAGE SN 19

449 Answer the following question concerning IMAGE SN 19
Which figure does NOT fit in the series?

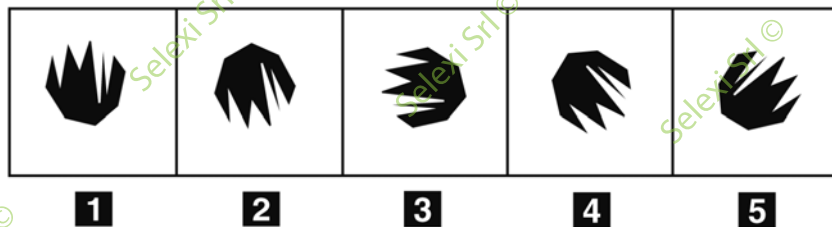
- A) Figure 1
- B) Figure 4
- C) Figure 3
- D) Figure 2
- E) Figure 5

IMAGE SN 20

450 Answer the following question concerning IMAGE SN 20

Which figure does NOT fit in the series?

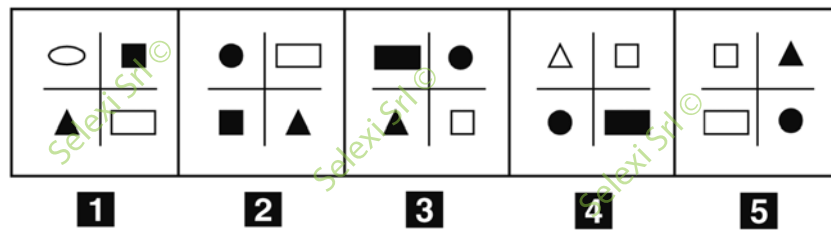
- A) Figure 4
- B) Figure 2
- C) Figure 3
- D) Figure 1
- E) Figure 5

IMAGE SN 21

451 Answer the following question concerning IMAGE SN 21

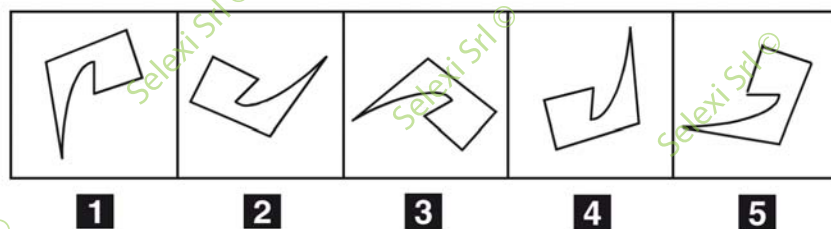
Find the figure that does NOT fit in.

- A) Figure 2
- B) Figure 5
- C) Figure 3
- D) Figure 4
- E) Figure 1

IMAGE SN 25

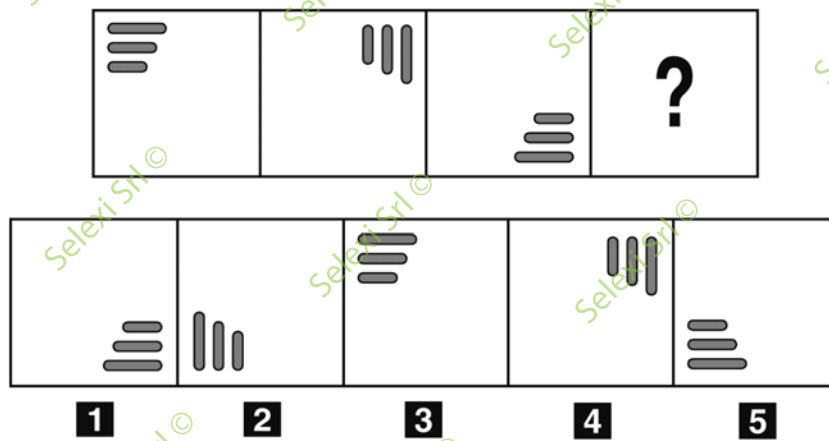
452 Answer the following question concerning IMAGE SN 25
Which of the following figures does NOT fit in the series?

- A) Figure 1
- B) Figure 4
- C) Figure 3
- D) Figure 2
- E) Figure 5

IMAGE SN 27

453 Answer the following question concerning IMAGE SN 27
Which of the following figures does NOT fit in the series?

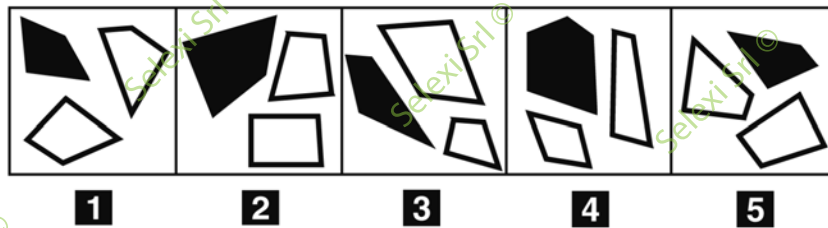
- A) Figure 4
- B) Figure 2
- C) Figure 3
- D) Figure 5
- E) Figure 1

IMAGE SN 28

454 Answer the following question concerning IMAGE SN 28

Find the figure that completes the series.

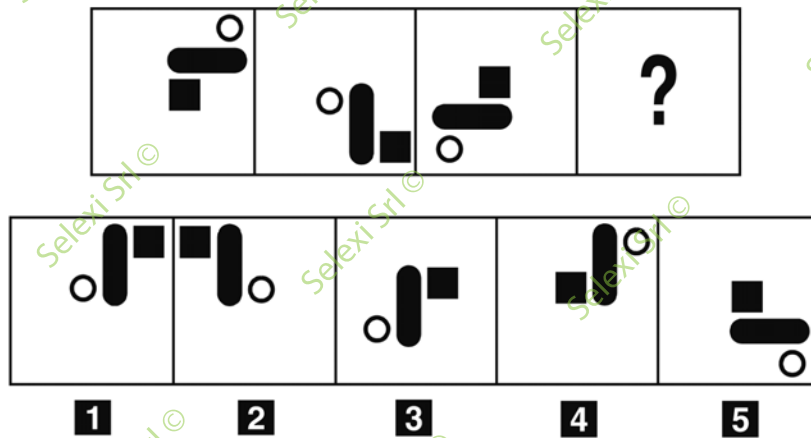
- A) Figure 5
- B) Figure 2
- C) Figure 3
- D) Figure 4
- E) Figure 1

IMAGE SN 33

455 Answer the following question concerning IMAGE SN 33

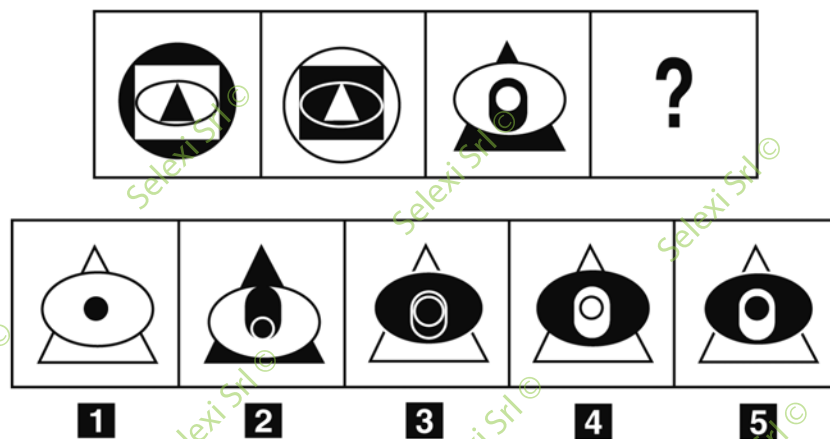
Which of the following figures does NOT fit in the series?

- A) Figure 4
- B) Figure 5
- C) Figure 3
- D) Figure 1
- E) Figure 2

IMAGE SN 34

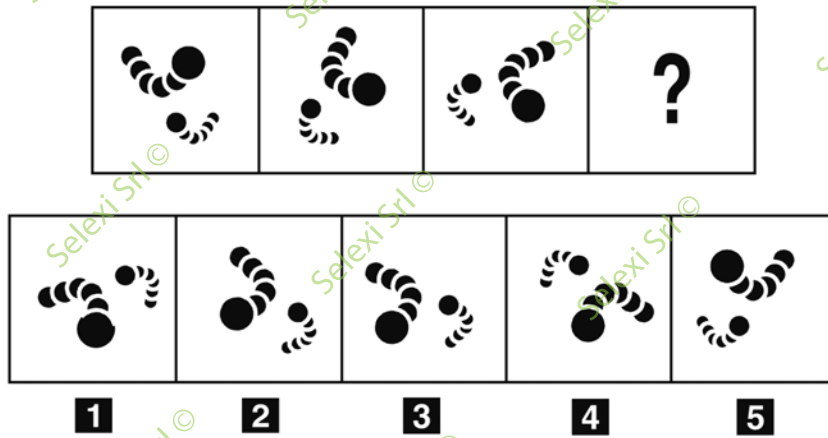
456 Answer the following question concerning IMAGE SN 34
Find the figure that correctly completes the series.

- A) Figure 5
- B) Figure 1
- C) Figure 3
- D) Figure 4
- E) Figure 2

IMAGE SN 35

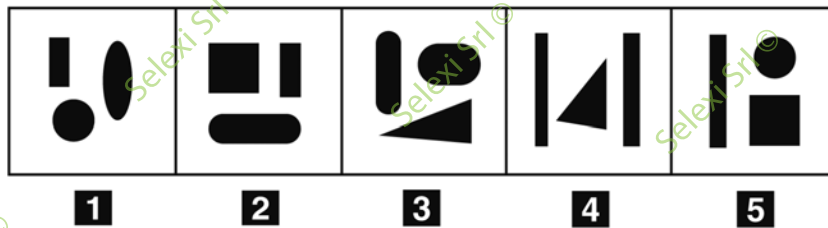
457 Answer the following question concerning IMAGE SN 35
Find the figure that completes the series.

- A) Figure 1
- B) Figure 2
- C) Figure 5
- D) Figure 4
- E) Figure 3

IMAGE SN 36

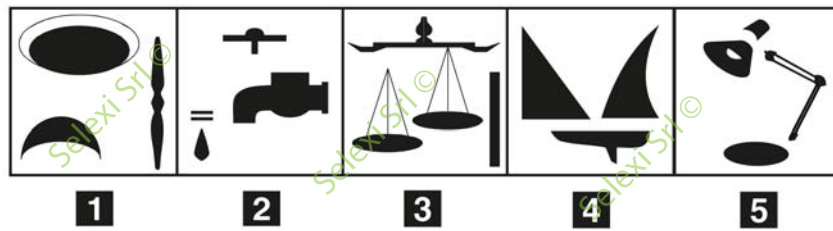
458 Answer the following question concerning IMAGE SN 36
Find the figure that correctly completes the series.

- A) Figure 3
- B) Figure 2
- C) Figure 4
- D) Figure 1
- E) Figure 5

IMAGE SN 46

459 Answer the following question concerning IMAGE SN 46
Find the figure that does NOT fit in.

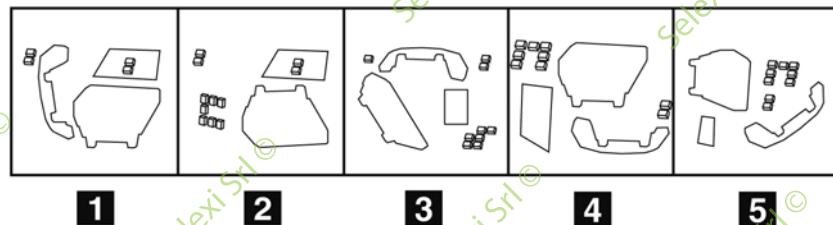
- A) Figure 3
- B) Figure 4
- C) Figure 1
- D) Figure 5
- E) Figure 2

IMAGE SN 47

460 Answer the following question concerning IMAGE SN 47

Find the figure that does NOT fit in.

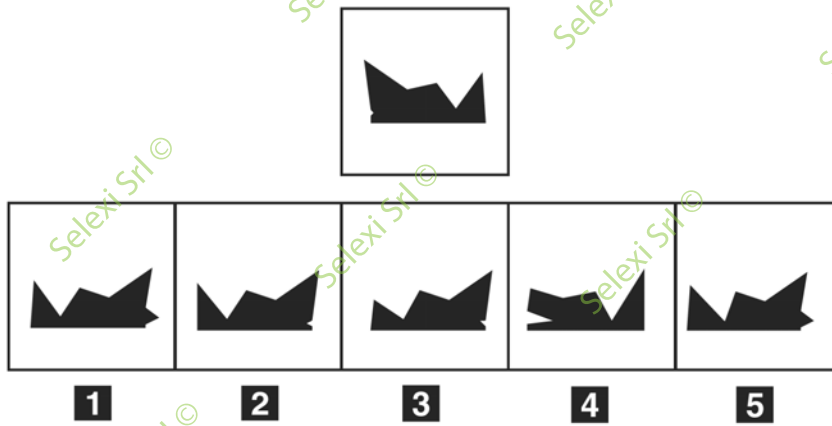
- A) Figure 1
- B) Figure 2
- C) Figure 3
- D) Figure 4
- E) Figure 5

IMAGE SN 54

461 Answer the following question concerning IMAGE SN 54

Which of the alternatives given contains all the elements of the figure above?

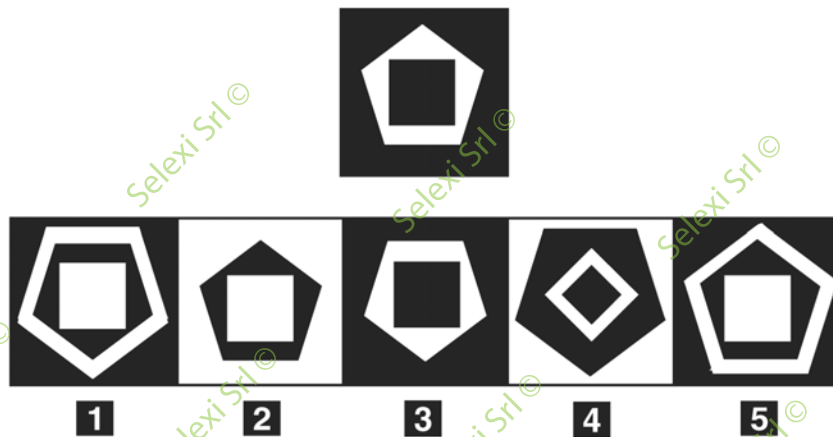
- A) Figure 4
- B) Figure 2
- C) Figure 5
- D) Figure 3
- E) Figure 1

IMAGE SN 58

462 Answer the following question concerning IMAGE SN 58

Which of the figures below corresponds to the mirror image of the given figure?

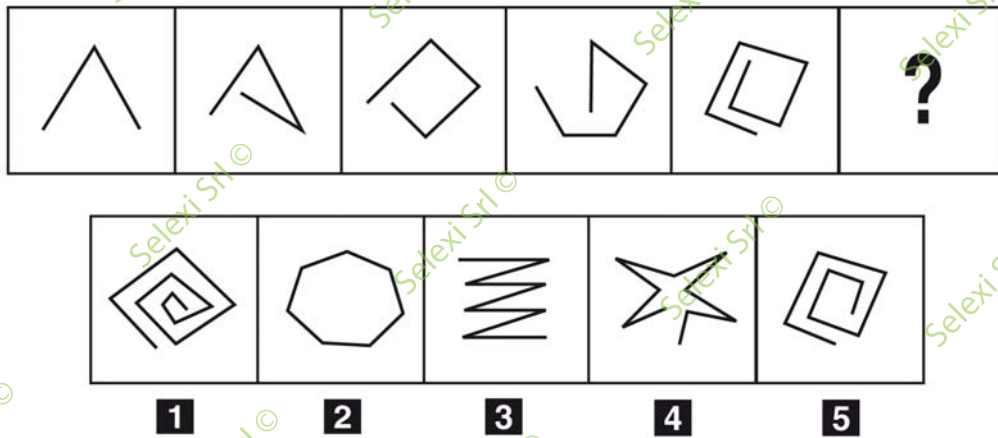
- A) Figure 2
- B) Figure 1
- C) Figure 3
- D) Figure 4
- E) Figure 5

IMAGE SN 59

463 Answer the following question concerning IMAGE SN 59

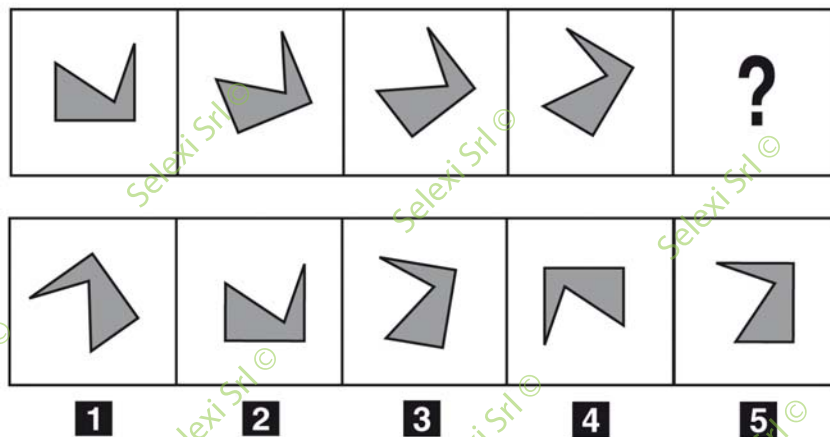
Which of the figures below corresponds to the negative version of the given figure?

- A) Figure 1
- B) Figure 5
- C) Figure 3
- D) Figure 4
- E) Figure 2

IMAGE SN 61

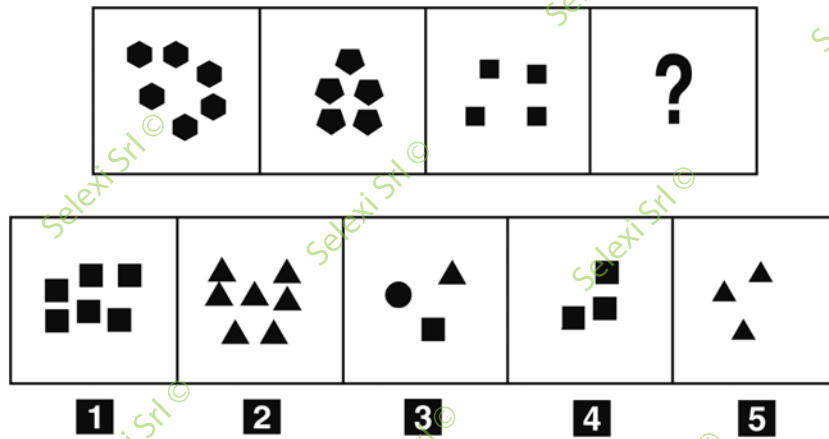
464 Answer the following question concerning IMAGE SN 61
Find the figure that correctly completes the series.

- A) Figure 4
- B) Figure 1
- C) Figure 2
- D) Figure 3
- E) Figure 5

IMAGE SN 62

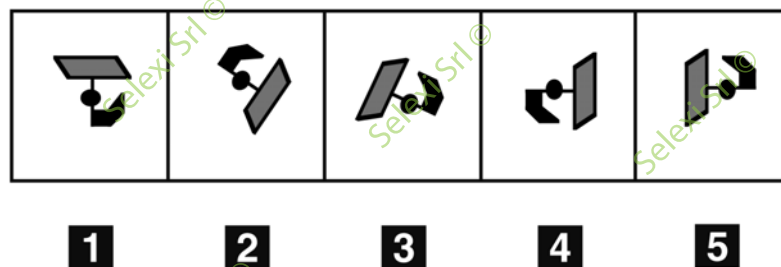
465 Answer the following question concerning IMAGE SN 62
Find the figure that correctly completes the series.

- A) Figure 2
- B) Figure 3
- C) Figure 1
- D) Figure 5
- E) Figure 4

IMAGE SN 63

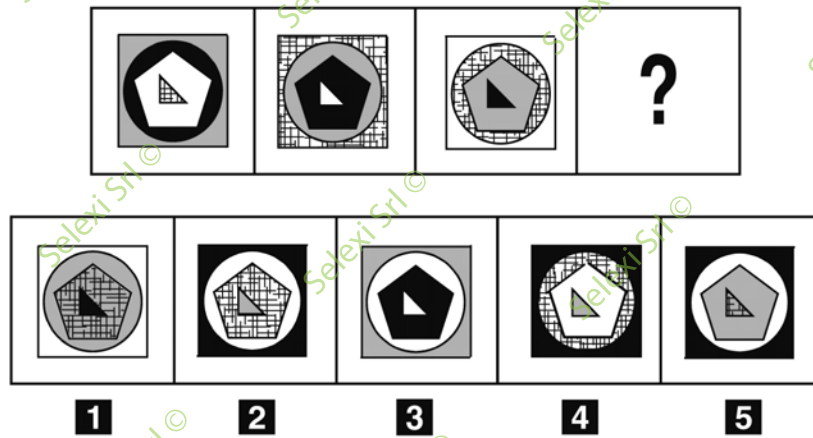
466 Answer the following question concerning IMAGE SN 63
Find the figure that correctly completes the series.

- A) Figure 3
- B) Figure 1
- C) Figure 2
- D) Figure 5
- E) Figure 4

IMAGE SN 64

467 Answer the following question concerning IMAGE SN 64
Find the figure that does NOT fit with the others.

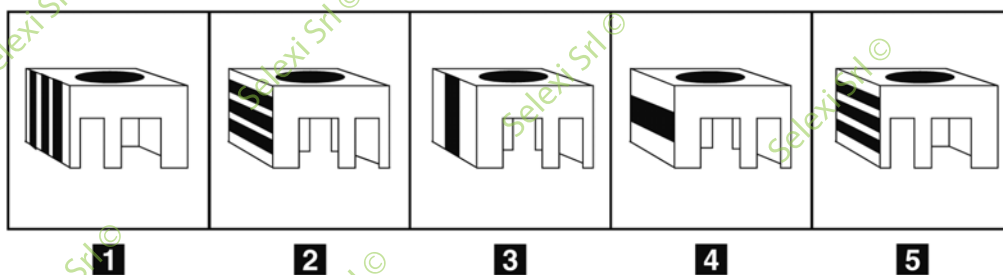
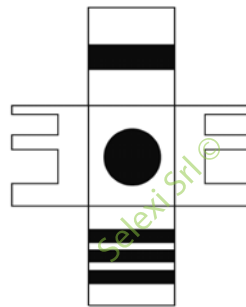
- A) Figure 4
- B) Figure 3
- C) Figure 5
- D) Figure 2
- E) Figure 1

IMAGE SN 65

468 Answer the following question concerning **IMAGE SN 65**

Find the figure that completes the series.

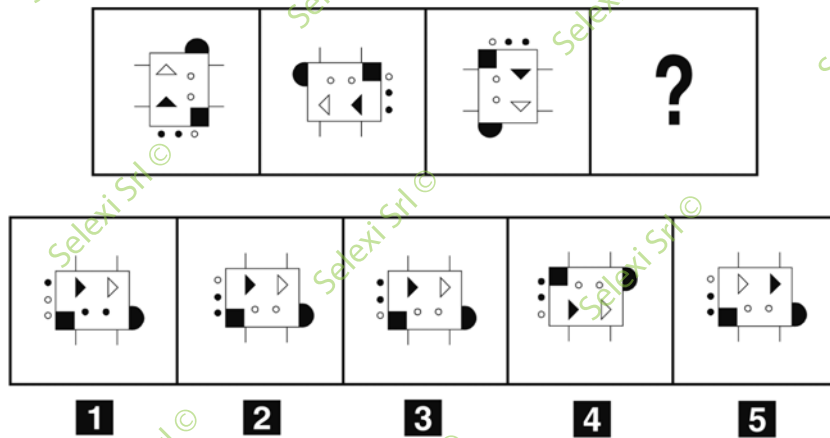
- A) Figure 4
- B) Figure 1
- C) Figure 5
- D) Figure 3
- E) Figure 2

IMAGE SN 66

469 Answer the following question concerning **IMAGE SN 66**

Which of the numbered shapes can be obtained from the figure above?

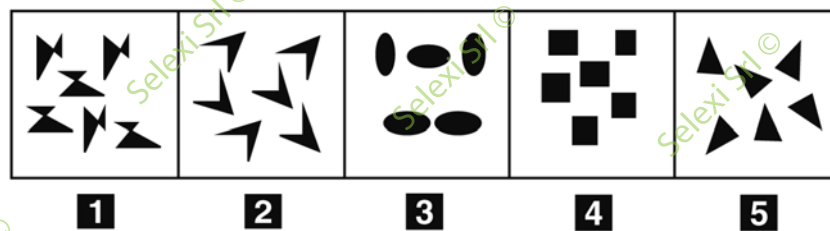
- A) Shape 1
- B) Shape 4
- C) Shape 2
- D) Shape 3
- E) Shape 5

IMAGE SN 73

470 Answer the following question concerning IMAGE SN 73

Find the figure that completes the series.

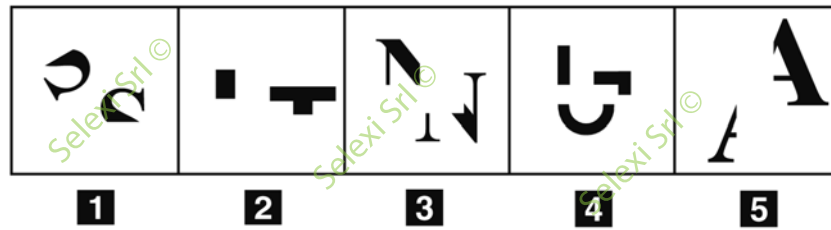
- A) Figure 5
- B) Figure 1
- C) Figure 3
- D) Figure 4
- E) Figure 2

IMAGE SN 74

471 Answer the following question concerning IMAGE SN 74

Which figure does NOT fit in the series?

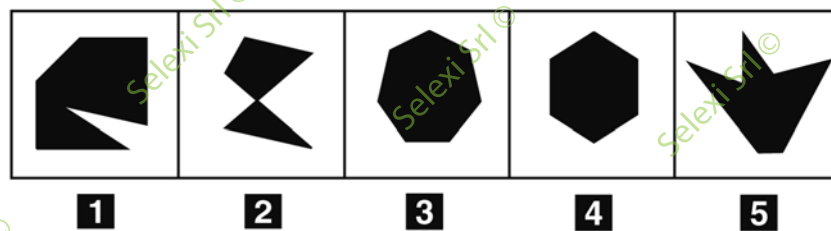
- A) Figure 4
- B) Figure 3
- C) Figure 1
- D) Figure 2
- E) Figure 5

IMAGE SN 75

472 Answer the following question concerning IMAGE SN 75

Find the figure that does NOT fit in.

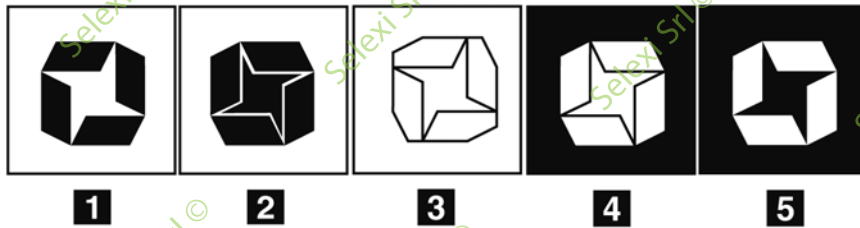
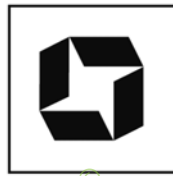
- A) Figure 5
- B) Figure 1
- C) Figure 2
- D) Figure 3
- E) Figure 4

IMAGE SN 76

473 Answer the following question concerning IMAGE SN 76

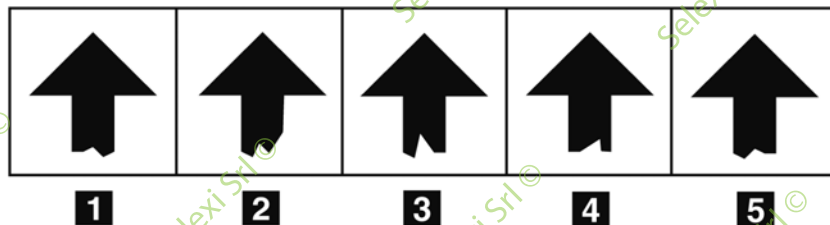
Find the figure that does NOT fit in.

- A) Figure 3
- B) Figure 5
- C) Figure 1
- D) Figure 2
- E) Figure 4

IMAGE SN 79

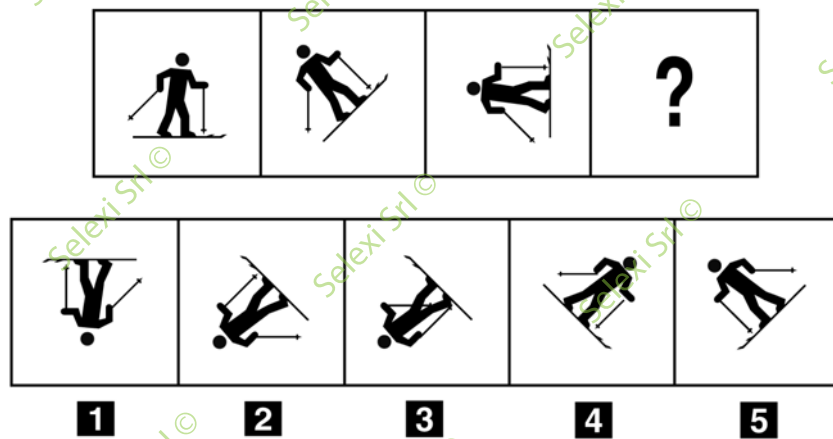
474 Answer the following question concerning IMAGE SN 79
Find the negative version of the given figure.

- A) Figure 4
- B) Figure 2
- C) Figure 1
- D) Figure 3
- E) Figure 5

IMAGE SN 80

475 Answer the following question concerning IMAGE SN 80
Which of the figures below corresponds to the mirror image of the given figure?

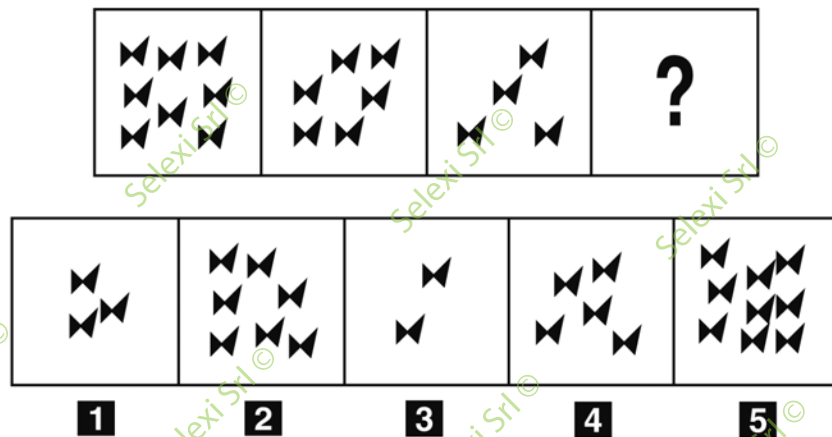
- A) Figure 1
- B) Figure 4
- C) Figure 3
- D) Figure 2
- E) Figure 5

IMAGE SN 95

476 Answer the following question concerning IMAGE SN 95

Find the figure that correctly completes the series.

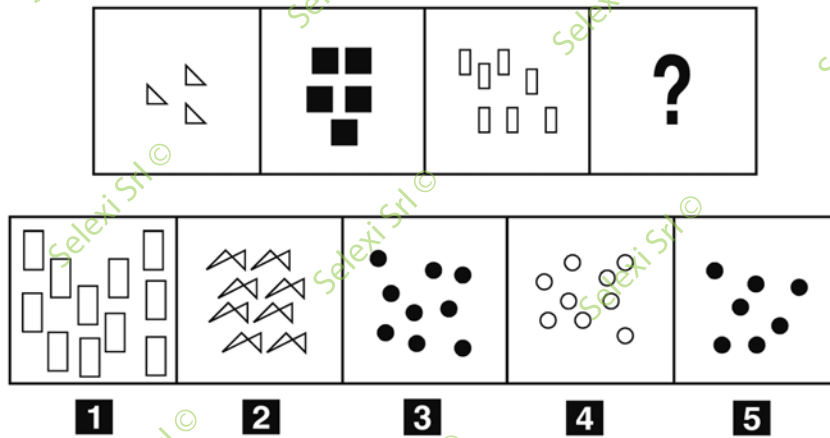
- A) Figure 2
- B) Figure 5
- C) Figure 1
- D) Figure 4
- E) Figure 3

IMAGE SN 96

477 Answer the following question concerning IMAGE SN 96

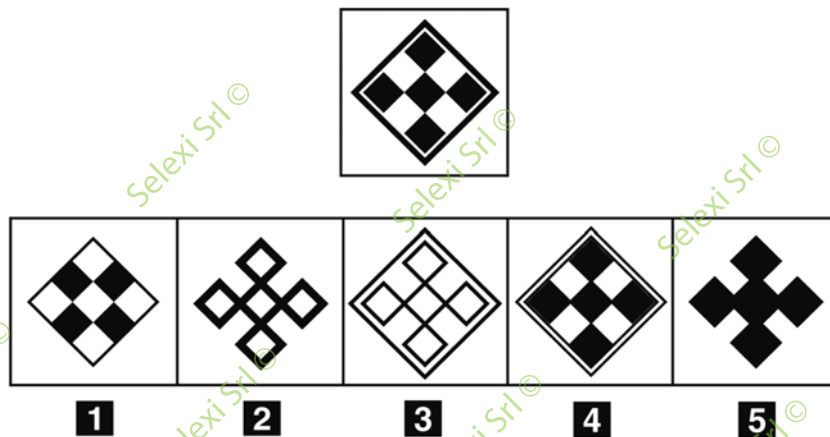
Which of the figures proposed correctly completes the series?

- A) Figure 1
- B) Figure 2
- C) Figure 3
- D) Figure 4
- E) Figure 5

IMAGE SN 97

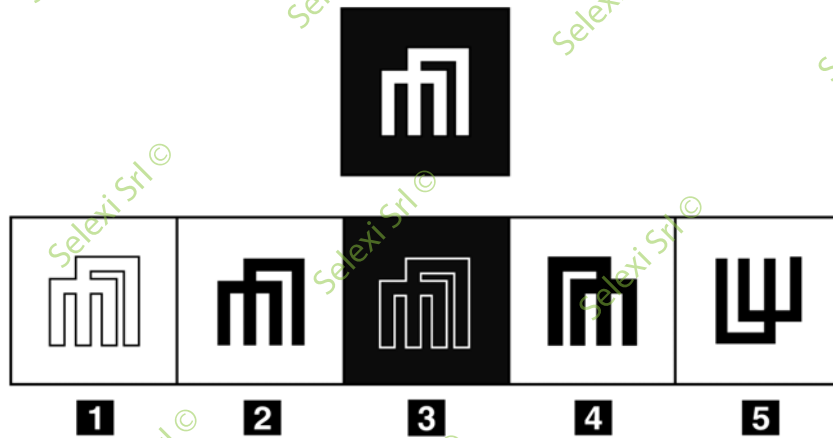
478 Answer the following question concerning IMAGE SN 97
Find the figure that correctly completes the series.

- A) Figure 5
- B) Figure 1
- C) Figure 3
- D) Figure 4
- E) Figure 2

IMAGE SP 00

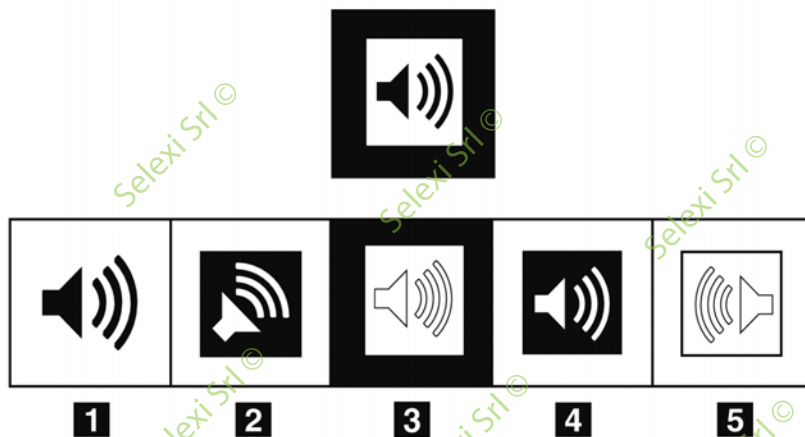
479 Answer the following question concerning IMAGE SP 00
Find the negative version of the given figure.

- A) Figure 2
- B) Figure 5
- C) Figure 1
- D) Figure 4
- E) Figure 3

IMAGE SP 01

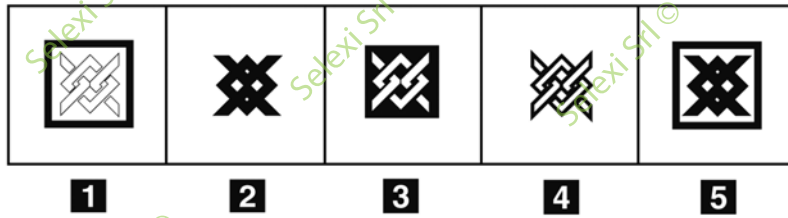
480 Answer the following question concerning IMAGE SP 01
Find the negative version of the given figure.

- A) Figure 3
- B) Figure 5
- C) Figure 4
- D) Figure 1
- E) Figure 2

IMAGE SP 02

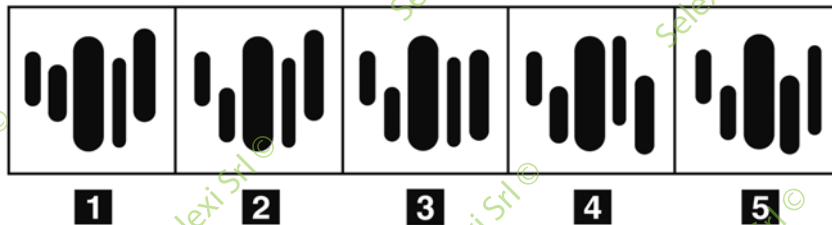
481 Answer the following question concerning IMAGE SP 02
Find the negative version of the given figure.

- A) Figure 3
- B) Figure 4
- C) Figure 5
- D) Figure 2
- E) Figure 1

IMAGE SP 03

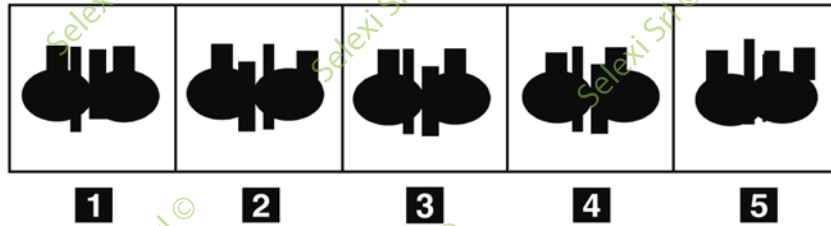
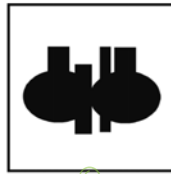
482 Answer the following question concerning IMAGE SP 03
Find the negative version of the given figure.

- A) Figure 5
- B) Figure 3
- C) Figure 4
- D) Figure 2
- E) Figure 1

IMAGE SP 05

483 Answer the following question concerning IMAGE SP 05
Which of the figures below corresponds to the mirror image of the given figure?

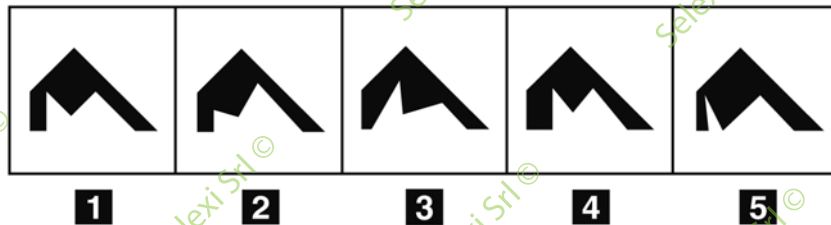
- A) Figure 3
- B) Figure 1
- C) Figure 2
- D) Figure 4
- E) Figure 5

IMAGE SP 06

484 Answer the following question concerning IMAGE SP 06

Which of the numbered figures corresponds to the mirror image of the given figure?

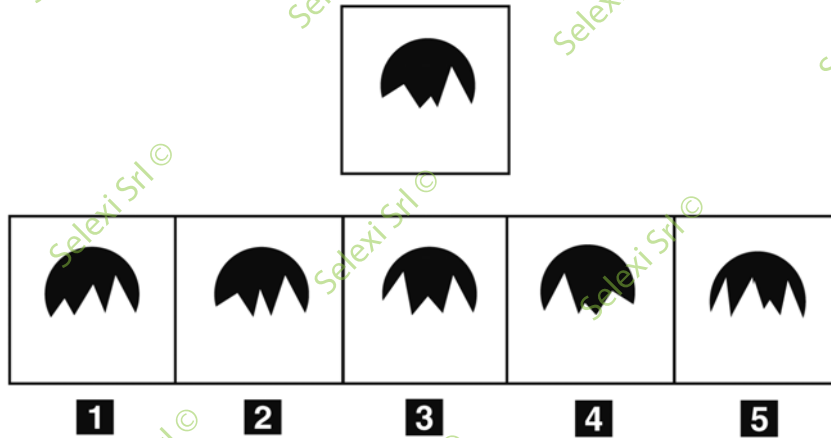
- A) Figure 4
- B) Figure 5
- C) Figure 2
- D) Figure 3
- E) Figure 1

IMAGE SP 07

485 Answer the following question concerning IMAGE SP 07

Which of the figures below corresponds to the mirror image of the figure above?

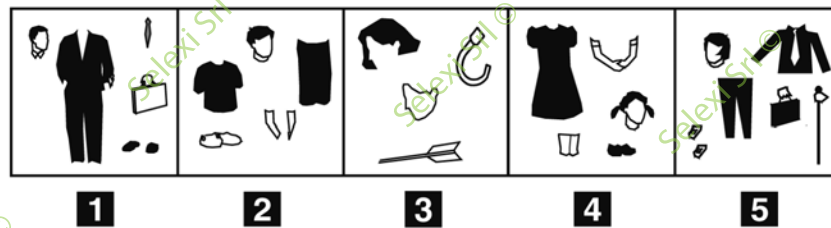
- A) Figure 2
- B) Figure 5
- C) Figure 1
- D) Figure 4
- E) Figure 3

IMAGE SP 08

486 Answer the following question concerning IMAGE SP 08

Which of the figures below corresponds to the mirror image of the given figure?

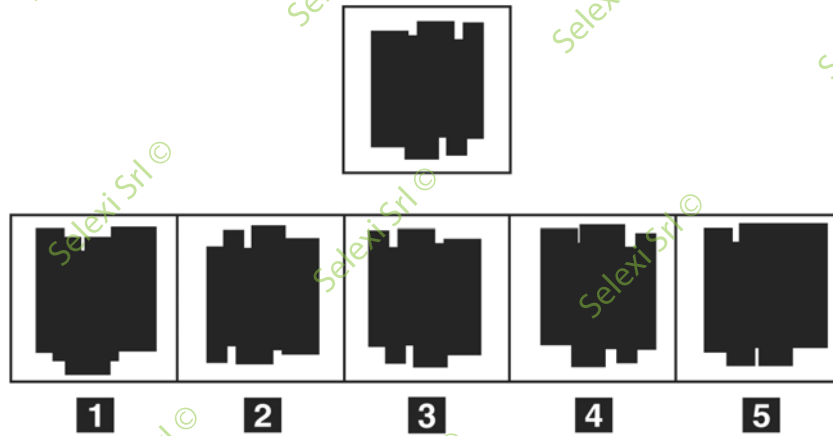
- A) Figure 3
- B) Figure 2
- C) Figure 4
- D) Figure 1
- E) Figure 5

IMAGE SP 14

487 Answer the following question concerning IMAGE SP 14

Find the figure that does NOT fit in.

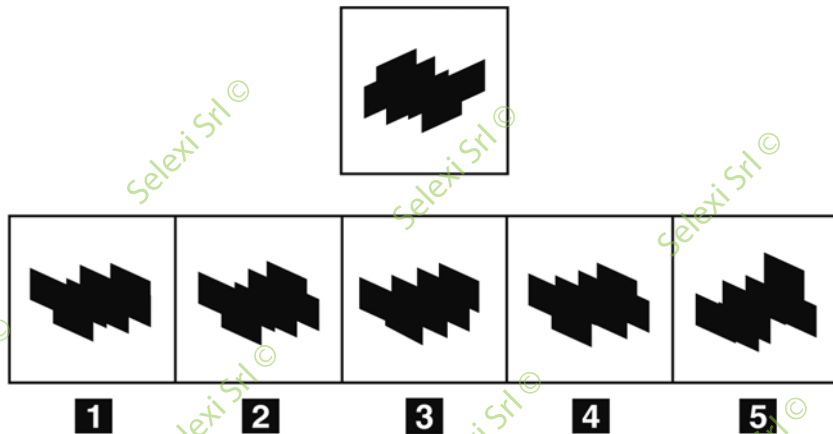
- A) Figure 2
- B) Figure 1
- C) Figure 5
- D) Figure 4
- E) Figure 3

IMAGE SP 19

488 Answer the following question concerning IMAGE SP 19

Which of the figures below corresponds to the mirror image of the given figure?

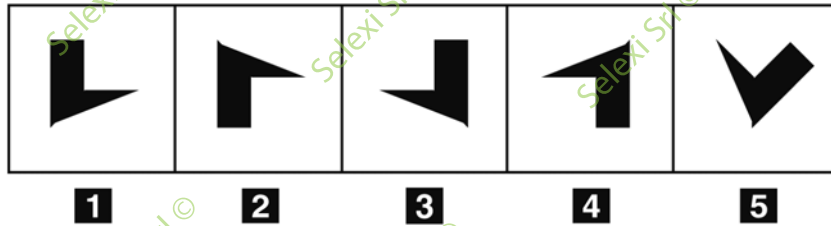
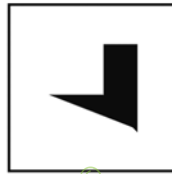
- A) Figure 5
- B) Figure 3
- C) Figure 1
- D) Figure 4
- E) Figure 2

IMAGE SP 20

489 Answer the following question concerning IMAGE SP 20

Which of the figures below corresponds to the mirror image of the given figure?

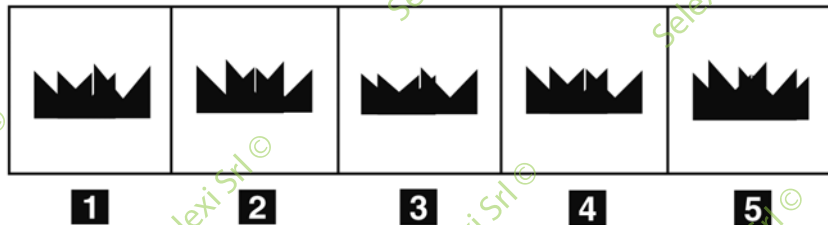
- A) Figure 4
- B) Figure 2
- C) Figure 5
- D) Figure 3
- E) Figure 1

IMAGE SP 21

490 Answer the following question concerning IMAGE SP 21

Which of the figures below corresponds to the mirror image of the given figure?

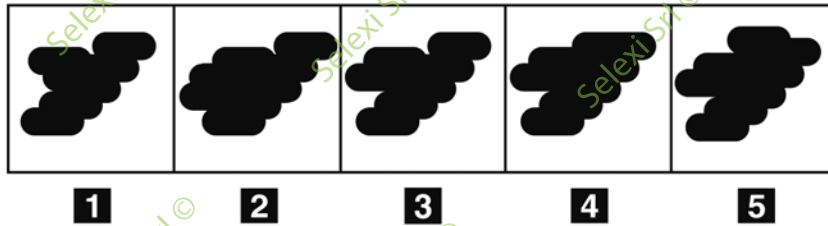
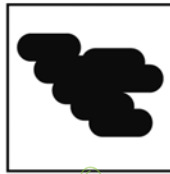
- A) Figure 3
- B) Figure 2
- C) Figure 1
- D) Figure 4
- E) Figure 5

IMAGE SP 22

491 Answer the following question concerning IMAGE SP 22

Which of the figures below corresponds to the mirror image of the given figure?

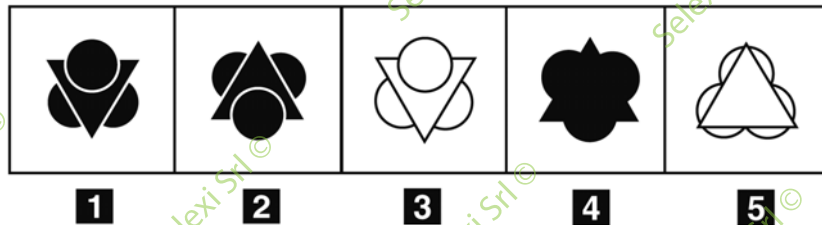
- A) Figure 4
- B) Figure 5
- C) Figure 1
- D) Figure 2
- E) Figure 3

IMAGE SP 23

492 Answer the following question concerning IMAGE SP 23

Which of the figures below corresponds to the mirror image of the given figure?

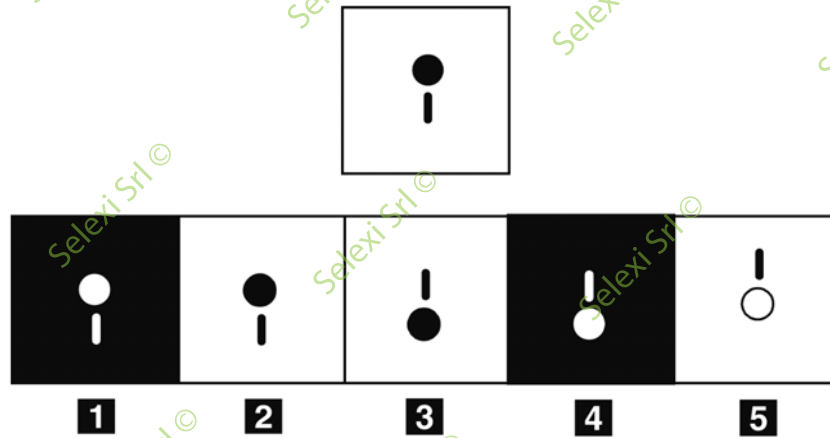
- A) Figure 5
- B) Figure 4
- C) Figure 3
- D) Figure 1
- E) Figure 2

IMAGE SP 25

493 Answer the following question concerning IMAGE SP 25

Find the negative version of the given figure.

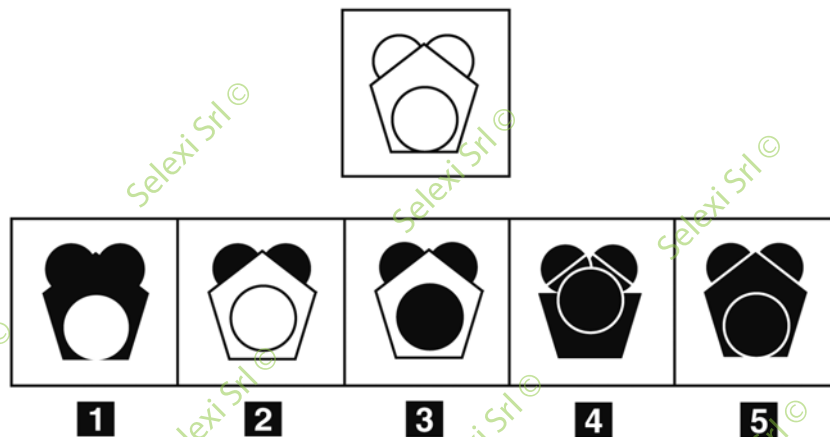
- A) Figure 2
- B) Figure 3
- C) Figure 4
- D) Figure 5
- E) Figure 1

IMAGE SP 27

494 Answer the following question concerning IMAGE SP 27

Find the negative version of the given figure.

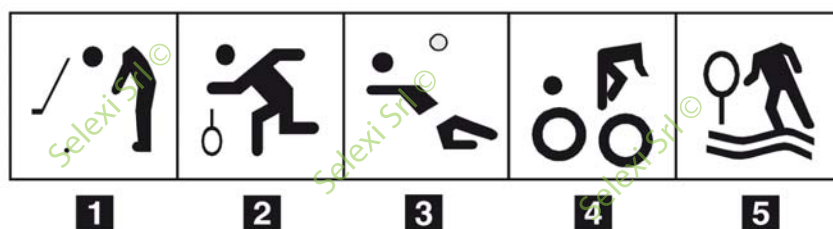
- A) Figure 4
- B) Figure 2
- C) Figure 1
- D) Figure 3
- E) Figure 5

IMAGE SP 28

495 Answer the following question concerning IMAGE SP 28

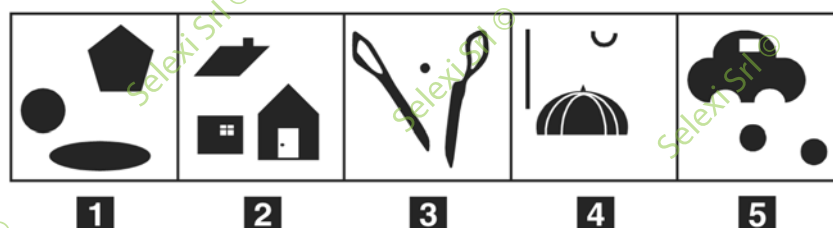
Which of the figures below corresponds to the negative version of the given figure?

- A) Figure 5
- B) Figure 3
- C) Figure 4
- D) Figure 2
- E) Figure 1

IMAGE SP 29

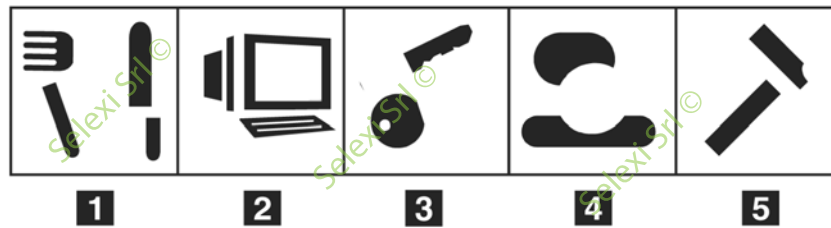
496 Answer the following question concerning IMAGE SP 29
Which of the following figures does NOT fit in the series?

- A) Figure 3
- B) Figure 1
- C) Figure 2
- D) Figure 5
- E) Figure 4

IMAGE SP 30

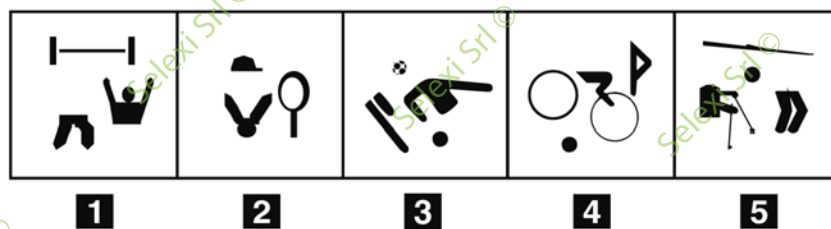
497 Answer the following question concerning IMAGE SP 30
Which of the following figures does NOT fit in the series?

- A) Figure 3
- B) Figure 1
- C) Figure 4
- D) Figure 5
- E) Figure 2

IMAGE SP 31

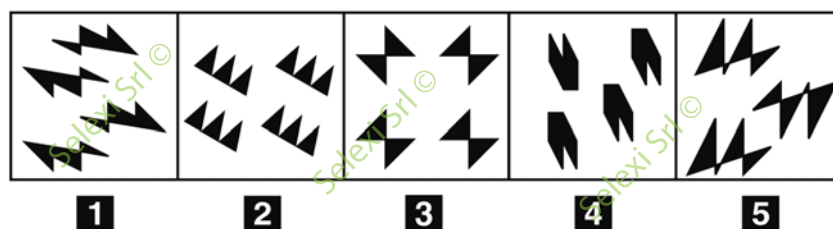
498 Answer the following question concerning IMAGE SP 31
Which of the following figures does NOT fit in the series?

- A) Figure 5
- B) Figure 4
- C) Figure 1
- D) Figure 3
- E) Figure 2

IMAGE SP 32

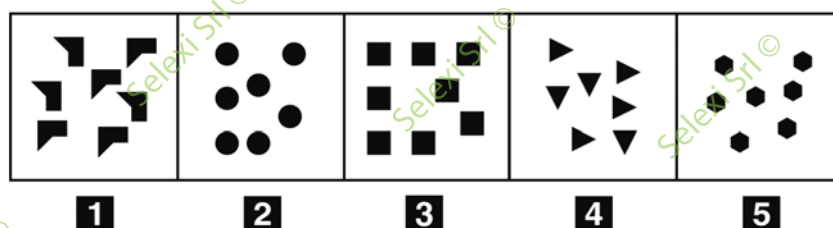
499 Answer the following question concerning IMAGE SP 32
Find the figure that does NOT fit with the others.

- A) Figure 2
- B) Figure 3
- C) Figure 4
- D) Figure 1
- E) Figure 5

IMAGE SP 34

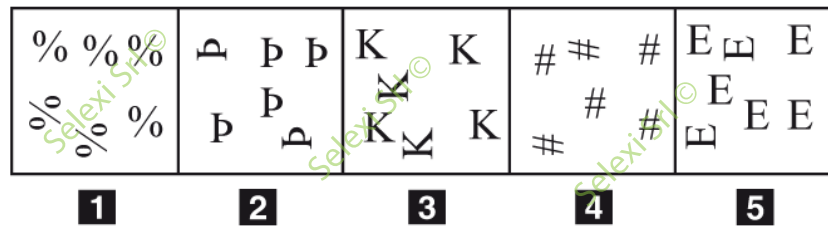
500 Answer the following question concerning IMAGE SP 34
Which of the following figures does NOT fit in the series?

- A) Figure 4
- B) Figure 3
- C) Figure 1
- D) Figure 2
- E) Figure 5

IMAGE SP 37

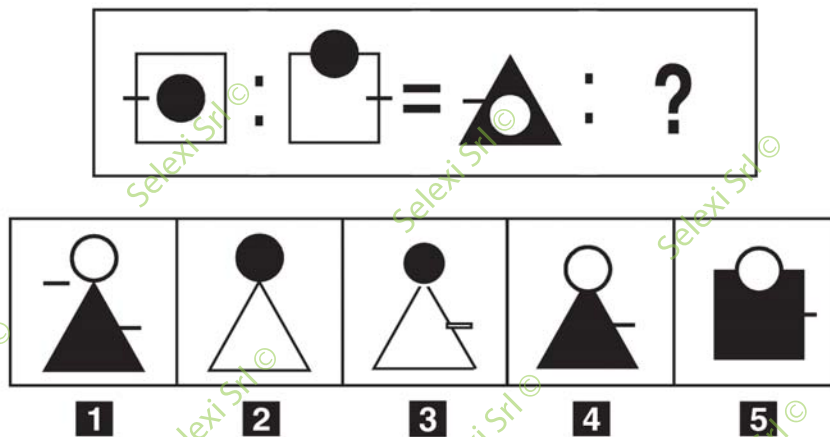
501 Answer the following question concerning IMAGE SP 37
Find the figure that does NOT fit in.

- A) Figure 2
- B) Figure 1
- C) Figure 3
- D) Figure 4
- E) Figure 5

IMAGE SP 38

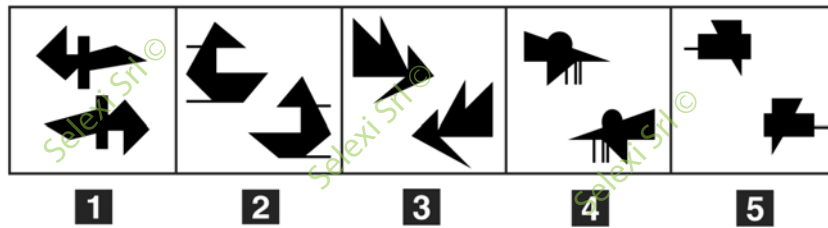
502 Answer the following question concerning IMAGE SP 38
Which of the following figures does NOT fit in the series?

- A) Figure 3
- B) Figure 4
- C) Figure 5
- D) Figure 2
- E) Figure 1

IMAGE SP 69

503 Answer the following question concerning IMAGE SP 69
Find the figure that completes the series.

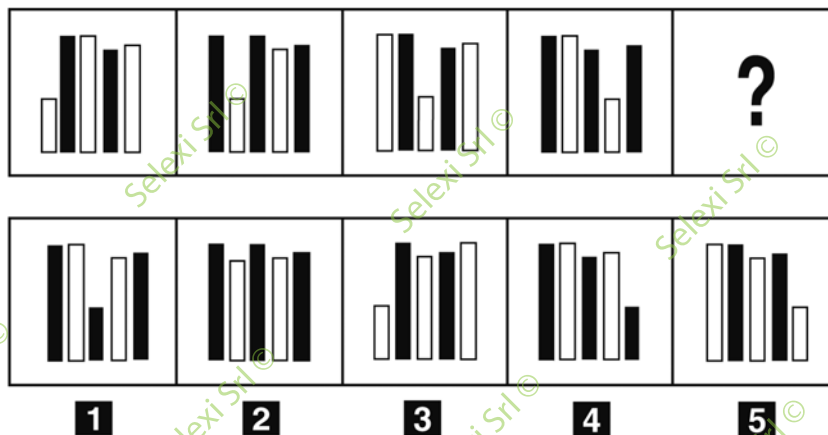
- A) Figure 1
- B) Figure 5
- C) Figure 3
- D) Figure 2
- E) Figure 4

IMAGE SP 98

504 Answer the following question concerning IMAGE SP 98

Find the figure that does NOT fit in.

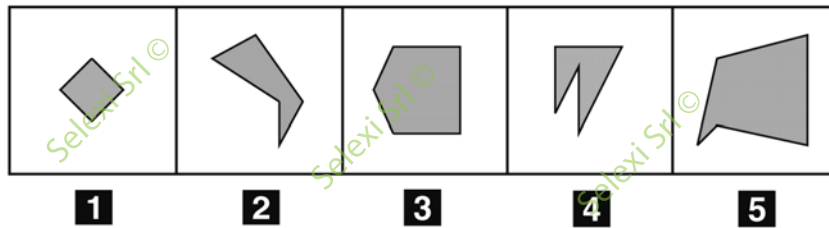
- A) Figure 2
- B) Figure 3
- C) Figure 1
- D) Figure 4
- E) Figure 5

IMAGE SP 99

505 Answer the following question concerning IMAGE SP 99

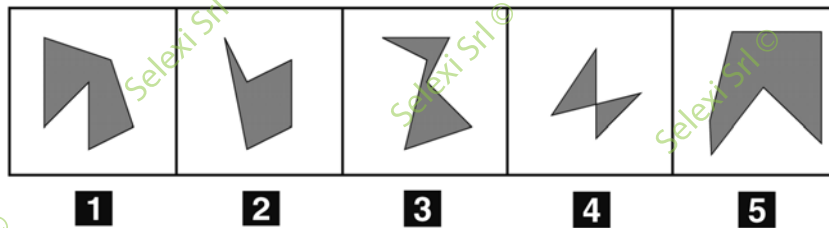
Find the figure that completes the series.

- A) Figure 4
- B) Figure 1
- C) Figure 5
- D) Figure 2
- E) Figure 3

IMAGE SR 07

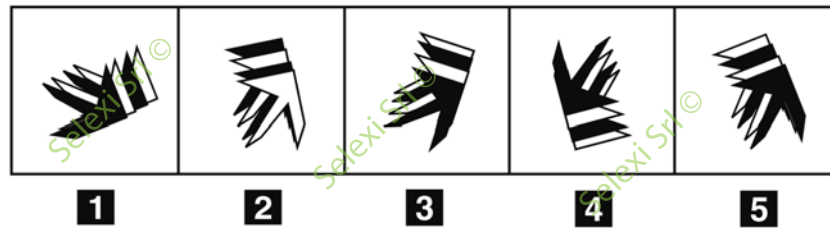
506 Answer the following question concerning IMAGE SR 07
Find the figure that does NOT fit in.

- A) Figure 2
- B) Figure 3
- C) Figure 1
- D) Figure 5
- E) Figure 4

IMAGE SR 09

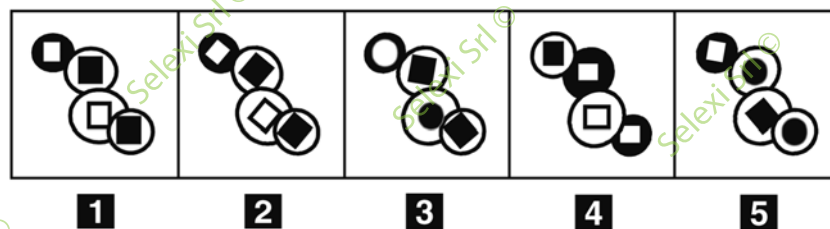
507 Answer the following question concerning IMAGE SR 09
Find the figure that does NOT fit in.

- A) Figure 2
- B) Figure 3
- C) Figure 1
- D) Figure 4
- E) Figure 5

IMAGE SR 10

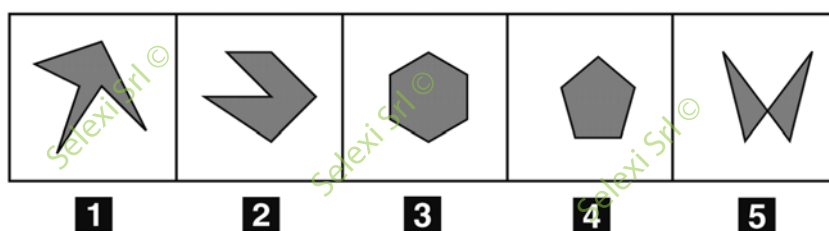
508 Answer the following question concerning IMAGE SR 10
Find the figure that does NOT fit in.

- A) Figure 4
- B) Figure 1
- C) Figure 3
- D) Figure 5
- E) Figure 2

IMAGE SR 14

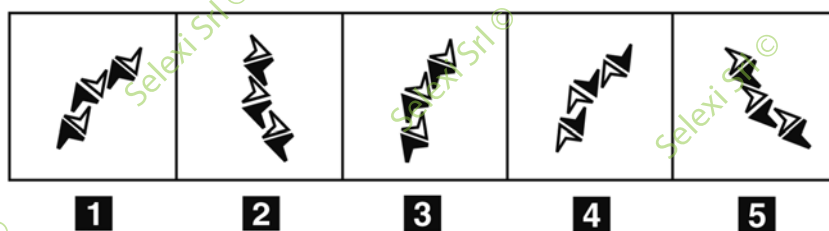
509 Answer the following question concerning IMAGE SR 14
Find the figure that does NOT fit with the others.

- A) Figure 1
- B) Figure 2
- C) Figure 4
- D) Figure 3
- E) Figure 5

IMAGE SR 15

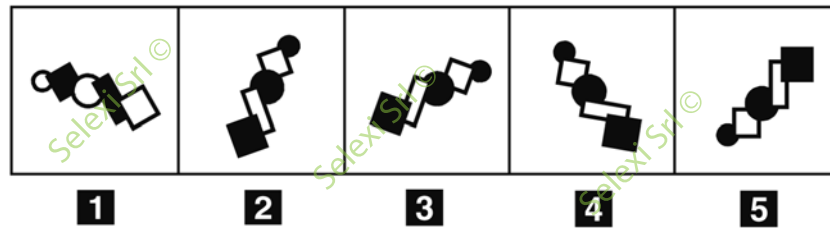
510 Answer the following question concerning **IMAGE SR 15**
Choose the alternative that does NOT fit in the group.

- A) Figure 2
- B) Figure 5
- C) Figure 3
- D) Figure 1
- E) Figure 4

IMAGE SR 18

511 Answer the following question concerning **IMAGE SR 18**
Which of the following figures does NOT fit in the series?

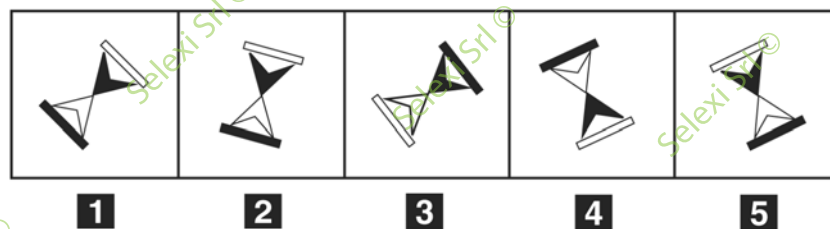
- A) Figure 4
- B) Figure 3
- C) Figure 2
- D) Figure 1
- E) Figure 5

IMAGE SR 19

512 Answer the following question concerning IMAGE SR 19

Find the figure that does NOT fit in.

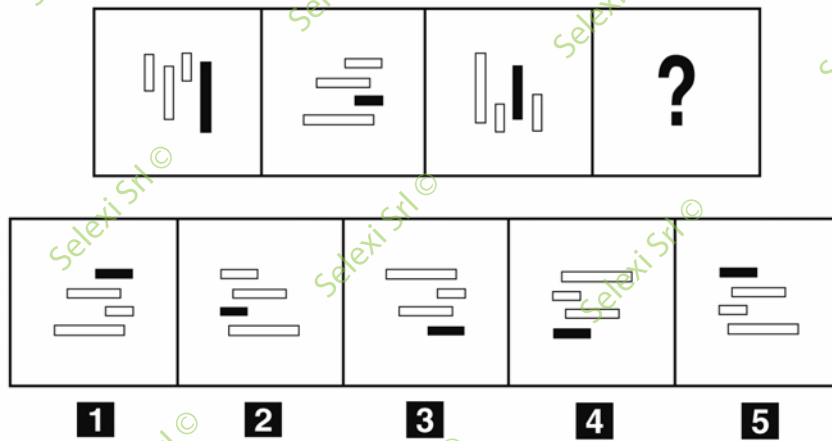
- A) Figure 3
- B) Figure 1
- C) Figure 2
- D) Figure 4
- E) Figure 5

IMAGE SR 21

513 Answer the following question concerning IMAGE SR 21

Find the figure that does NOT fit in.

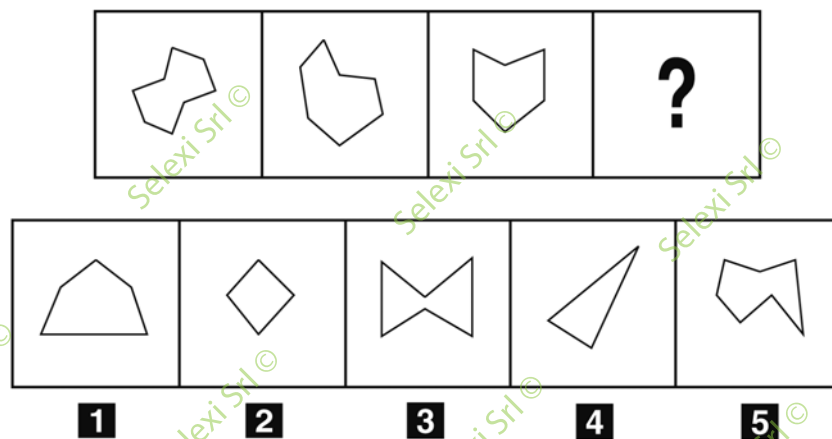
- A) Figure 2
- B) Figure 5
- C) Figure 1
- D) Figure 4
- E) Figure 3

IMAGE SR 28

514 Answer the following question concerning IMAGE SR 28

Find the figure that completes the series.

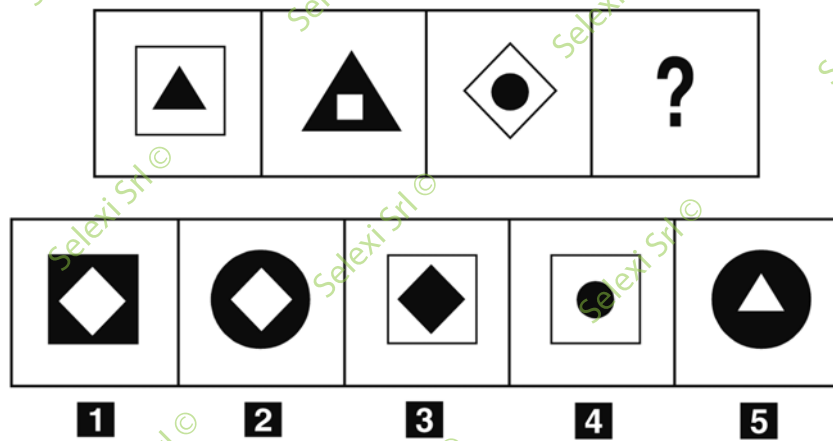
- A) Figure 1
- B) Figure 5
- C) Figure 3
- D) Figure 2
- E) Figure 4

IMAGE SR 29

515 Answer the following question concerning IMAGE SR 29

Determine which figure correctly completes the series.

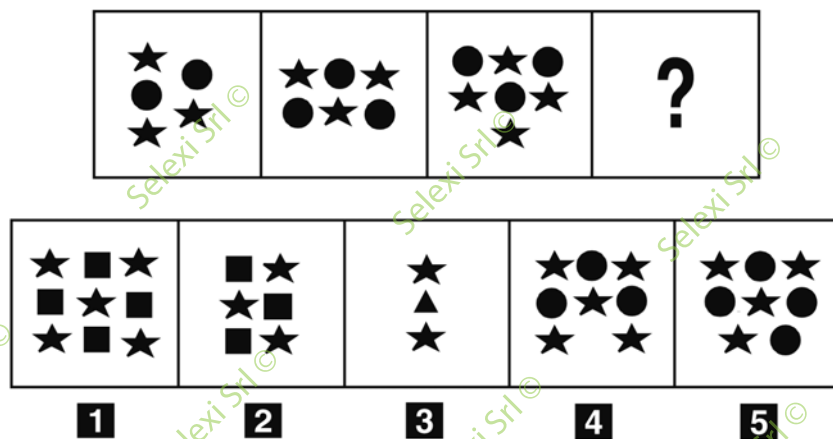
- A) Figure 1
- B) Figure 2
- C) Figure 3
- D) Figure 4
- E) Figure 5

IMAGE SR 30

516 Answer the following question concerning IMAGE SR 30

Find the figure that completes the series.

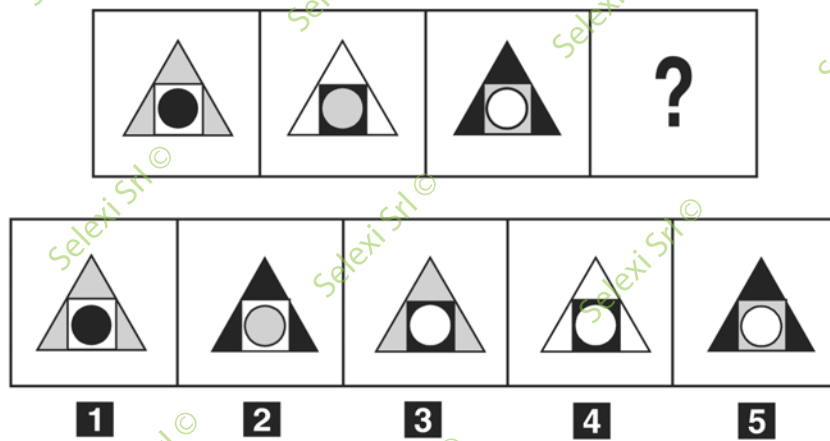
- A) Figure 3
- B) Figure 4
- C) Figure 2
- D) Figure 1
- E) Figure 5

IMAGE SR 31

517 Answer the following question concerning IMAGE SR 31

Find the figure that completes the series.

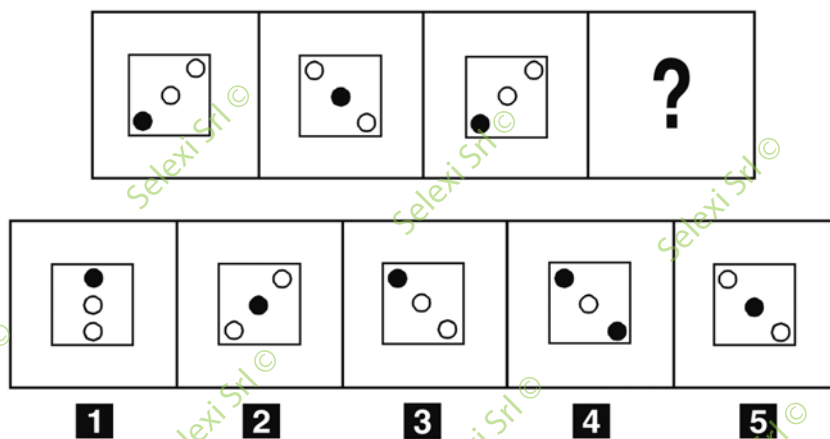
- A) Figure 3
- B) Figure 1
- C) Figure 2
- D) Figure 4
- E) Figure 5

IMAGE SR 32

518 Answer the following question concerning IMAGE SR 32

Find the figure that completes the series.

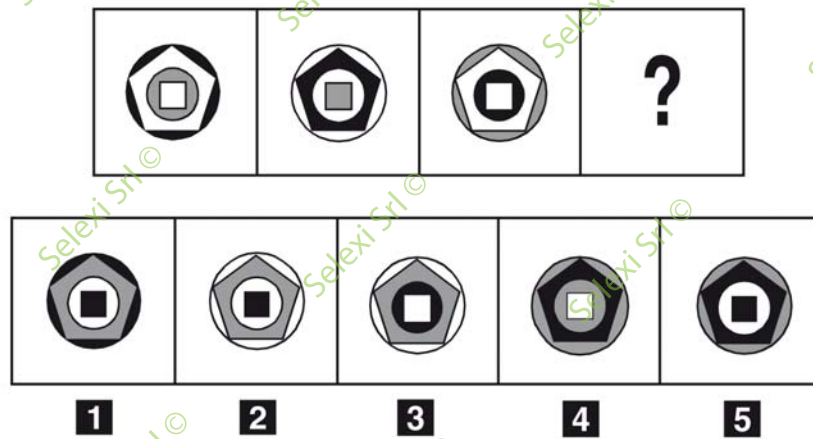
- A) Figure 5
- B) Figure 2
- C) Figure 3
- D) Figure 1
- E) Figure 4

IMAGE SR 34

519 Answer the following question concerning IMAGE SR 34

Determine which figure correctly completes the series.

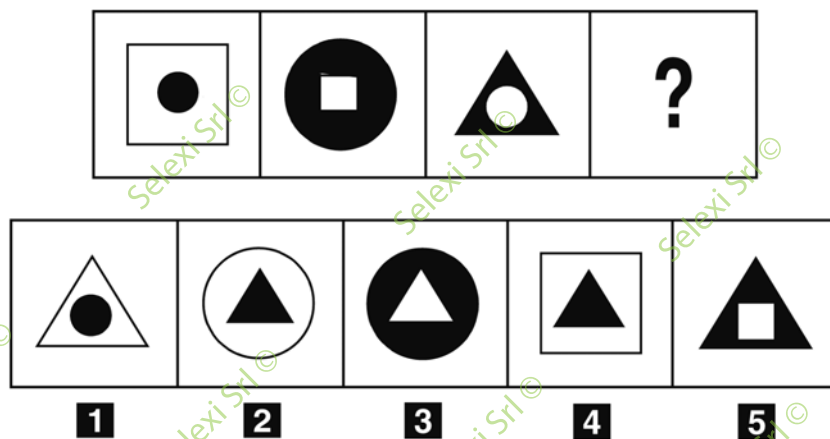
- A) Figure 4
- B) Figure 2
- C) Figure 5
- D) Figure 3
- E) Figure 1

IMAGE SR 35

520 Answer the following question concerning IMAGE SR 35

Find the figure that completes the series.

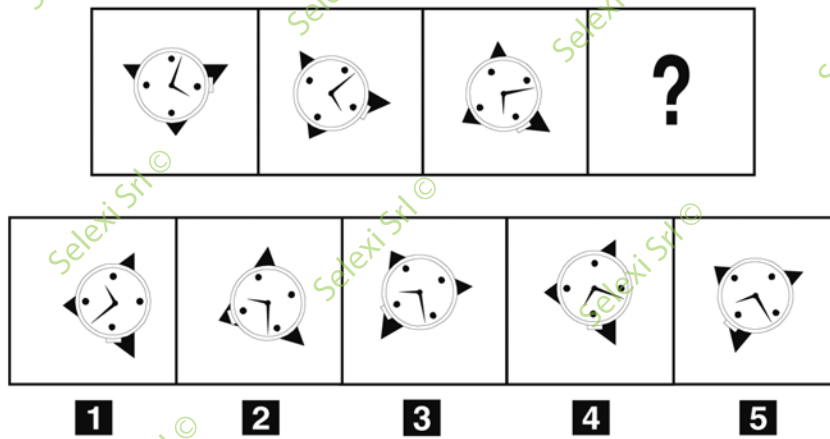
- A) Figure 3
- B) Figure 2
- C) Figure 1
- D) Figure 5
- E) Figure 4

IMAGE SR 37

521 Answer the following question concerning IMAGE SR 37

Find the figure that completes the series.

- A) Figure 3
- B) Figure 4
- C) Figure 1
- D) Figure 2
- E) Figure 5

IMAGE SR 38

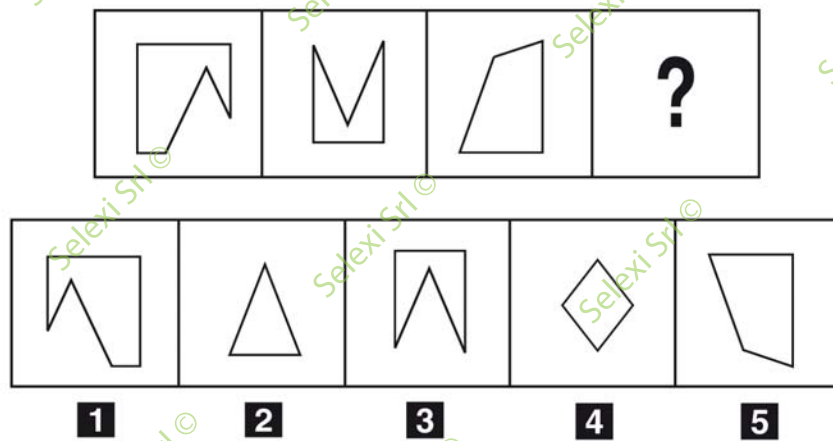
522 Answer the following question concerning IMAGE SR 38
Find the figure that completes the series.

- A) Figure 3
- B) Figure 4
- C) Figure 5
- D) Figure 2
- E) Figure 1

IMAGE SR 39

523 Answer the following question concerning IMAGE SR 39
Find the figure that completes the series.

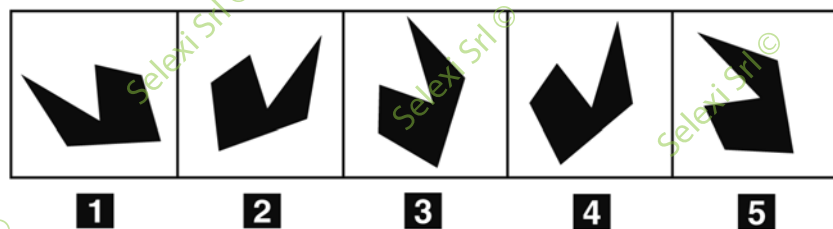
- A) Figure 4
- B) Figure 5
- C) Figure 3
- D) Figure 1
- E) Figure 2

IMAGE SR 40

524 Answer the following question concerning IMAGE SR 40

Find the figure that completes the series.

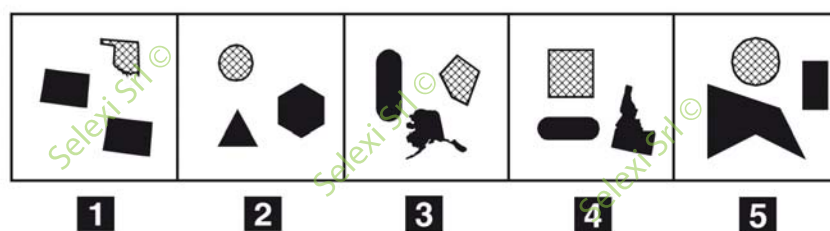
- A) Figure 2
- B) Figure 4
- C) Figure 1
- D) Figure 3
- E) Figure 5

IMAGE SR 43

525 Answer the following question concerning IMAGE SR 43

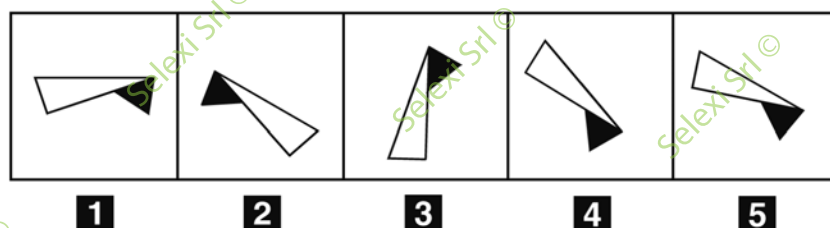
Choose the alternative that does NOT fit in the group.

- A) Figure 5
- B) Figure 2
- C) Figure 3
- D) Figure 1
- E) Figure 4

IMAGE SR 44

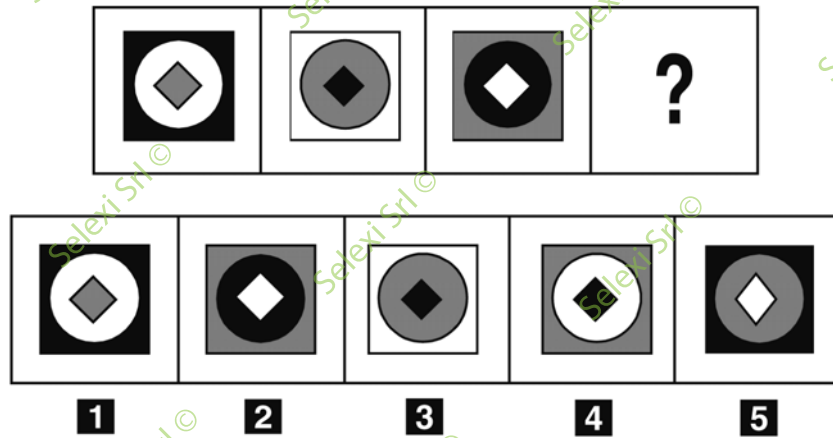
526 Answer the following question concerning IMAGE SR 44
Which of the following figures does NOT fit in the series?

- A) Figure 3
- B) Figure 4
- C) Figure 5
- D) Figure 2
- E) Figure 1

IMAGE SR 45

527 Answer the following question concerning IMAGE SR 45
Which of the following figures does NOT fit in the series?

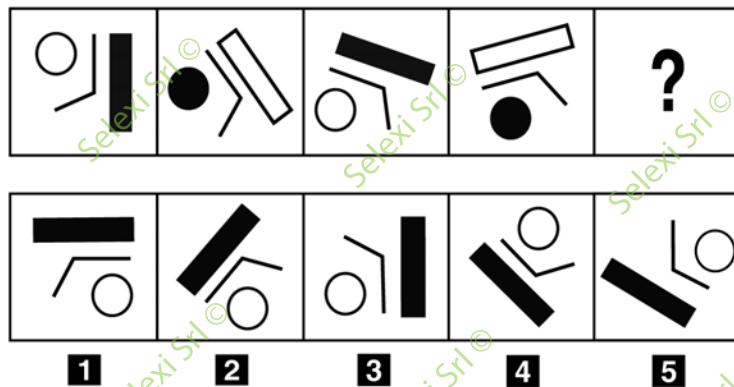
- A) Figure 2
- B) Figure 1
- C) Figure 3
- D) Figure 5
- E) Figure 4

IMAGE SR 46

528 Answer the following question concerning IMAGE SR 46

Find the figure that completes the series.

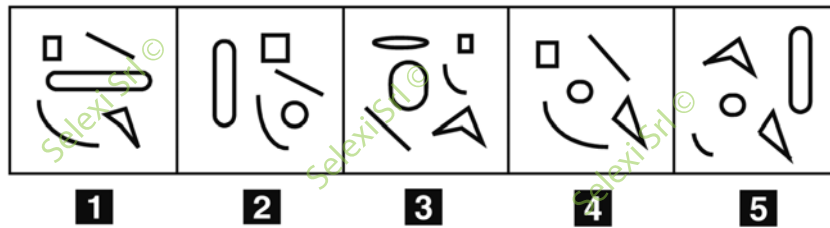
- A) Figure 1
- B) Figure 4
- C) Figure 3
- D) Figure 2
- E) Figure 5

IMAGE SR 51

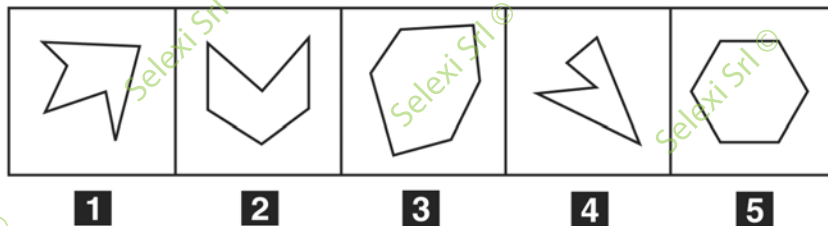
529 Answer the following question concerning IMAGE SR 51

Find the figure that completes the series.

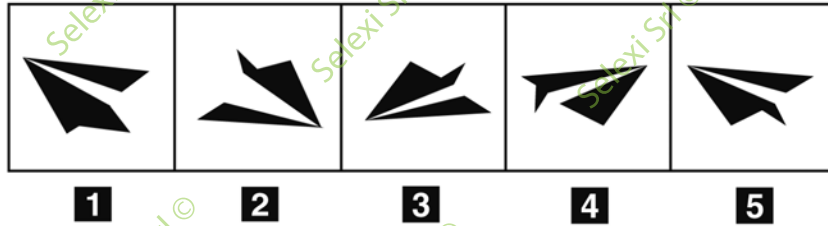
- A) Figure 1
- B) Figure 4
- C) Figure 3
- D) Figure 2
- E) Figure 5

IMAGE SR 53**1****2****3****4****5****530 Answer the following question concerning IMAGE SR 53****Find the figure that does NOT fit in.**

- A) Figure 5
- B) Figure 2
- C) Figure 1
- D) Figure 4
- E) Figure 3

IMAGE SR 54**1****2****3****4****5****531 Answer the following question concerning IMAGE SR 54****Find the figure that does NOT fit in.**

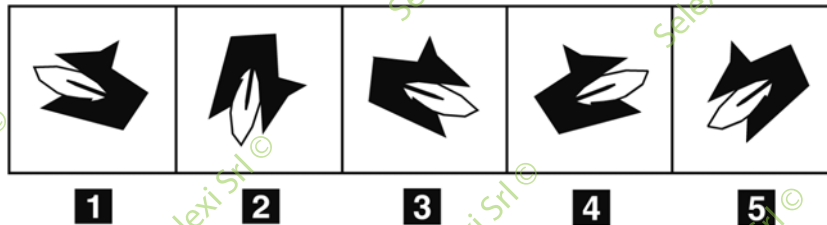
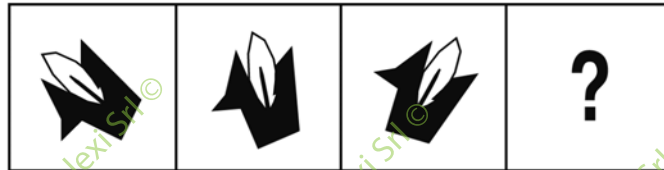
- A) Figure 5
- B) Figure 2
- C) Figure 1
- D) Figure 3
- E) Figure 4

IMAGE SR 55

532 Answer the following question concerning IMAGE SR 55

Which of the figures below corresponds to the mirror image of the given figure?

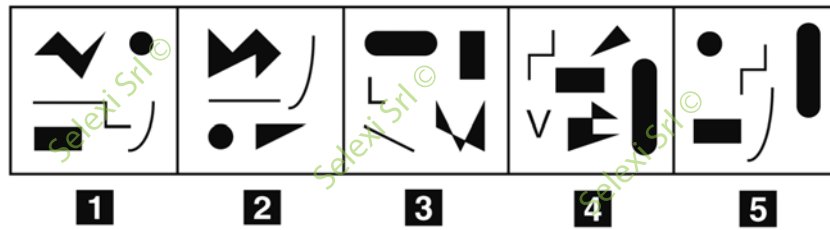
- A) Figure 1
- B) Figure 2
- C) Figure 5
- D) Figure 3
- E) Figure 4

IMAGE SR 56

533 Answer the following question concerning IMAGE SR 56

Find the figure that completes the series.

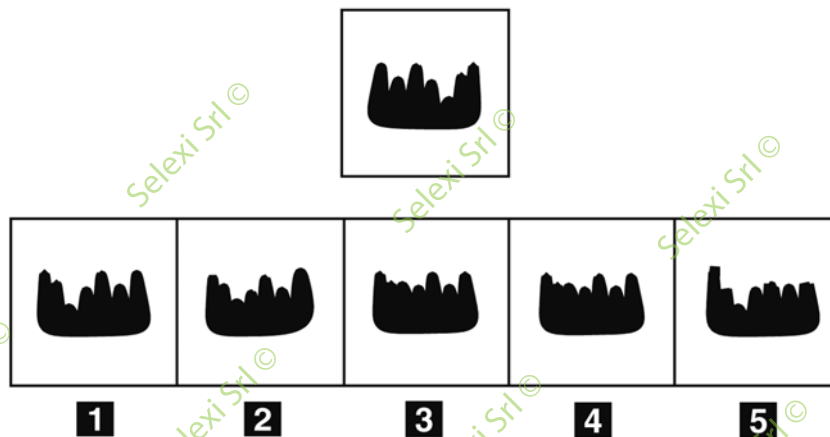
- A) Figure 3
- B) Figure 2
- C) Figure 4
- D) Figure 1
- E) Figure 5

IMAGE SR 57

534 Answer the following question concerning IMAGE SR 57

Find the figure that does NOT fit in.

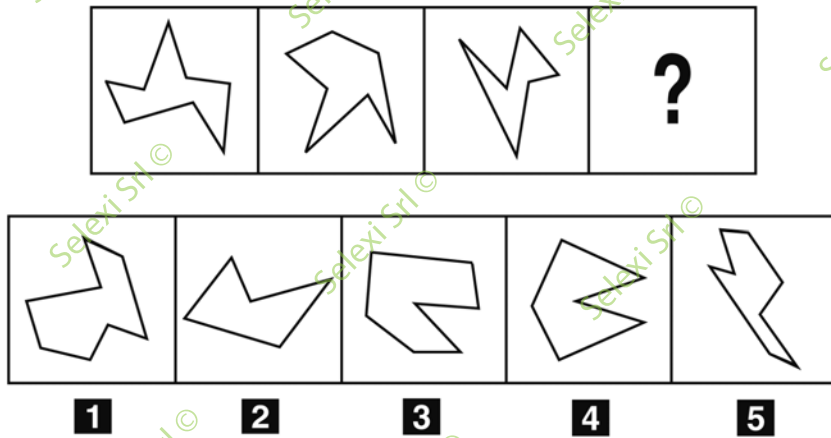
- A) Figure 3
- B) Figure 5
- C) Figure 2
- D) Figure 1
- E) Figure 4

IMAGE SR 59

535 Answer the following question concerning IMAGE SR 59

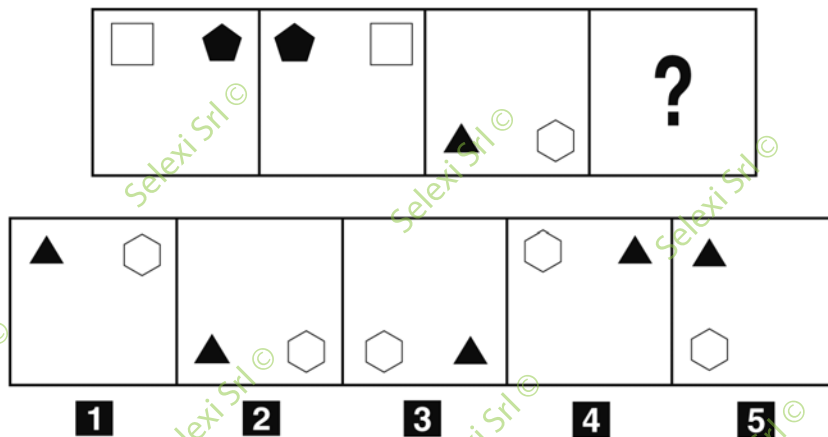
Which of the figures below corresponds to the mirror image of the given figure?

- A) Figure 3
- B) Figure 4
- C) Figure 2
- D) Figure 1
- E) Figure 5

IMAGE SR 62

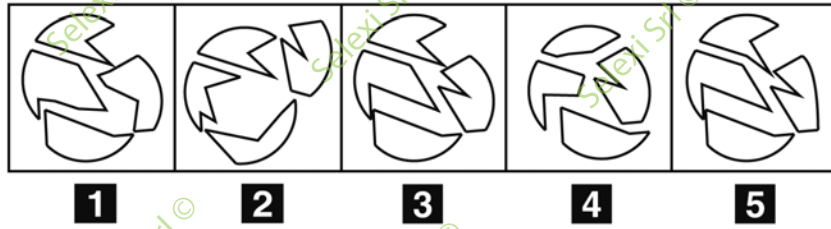
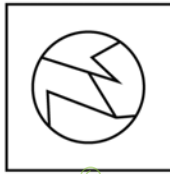
536 Answer the following question concerning IMAGE SR 62
Find the figure that correctly completes the series.

- A) Figure 4
- B) Figure 1
- C) Figure 3
- D) Figure 5
- E) Figure 2

IMAGE SR 65

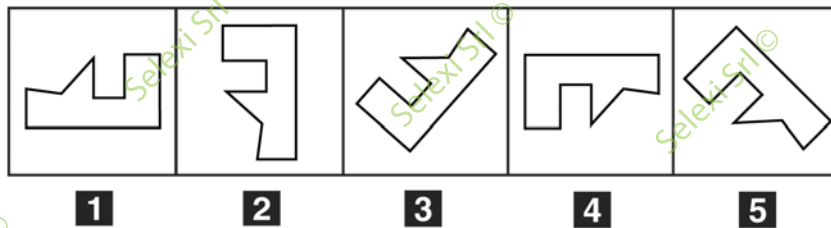
537 Answer the following question concerning IMAGE SR 65
Find the figure that completes the series.

- A) Figure 4
- B) Figure 2
- C) Figure 1
- D) Figure 3
- E) Figure 5

IMAGE SR 67

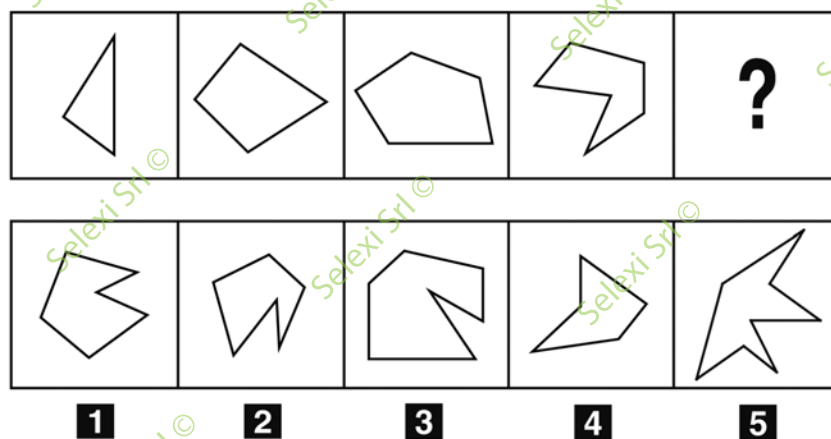
538 Answer the following question concerning IMAGE SR 67
Which of the figures below contains all the elements of the given figure?

- A) Figure 2
- B) Figure 3
- C) Figure 1
- D) Figure 4
- E) Figure 5

IMAGE SR 72

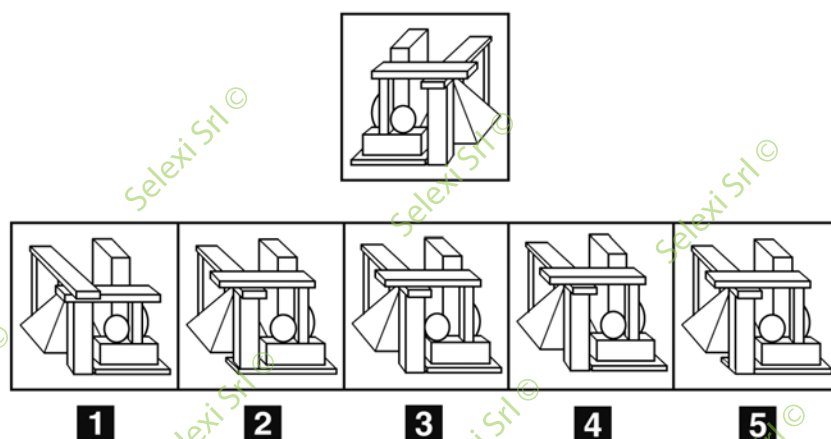
539 Answer the following question concerning IMAGE SR 72
Find the figure that does NOT fit with the others.

- A) Figure 5
- B) Figure 1
- C) Figure 2
- D) Figure 4
- E) Figure 3

IMAGE SR 75

540 Answer the following question concerning **IMAGE SR 75**
Find the figure that correctly completes the series.

- A) Figure 1
- B) Figure 2
- C) Figure 5
- D) Figure 4
- E) Figure 3

IMAGE SR 81

541 Answer the following question concerning **IMAGE SR 81**
Which of the figures below corresponds to the mirror image of the given figure?

- A) Figure 4
- B) Figure 1
- C) Figure 2
- D) Figure 3
- E) Figure 5

1

2

3

4

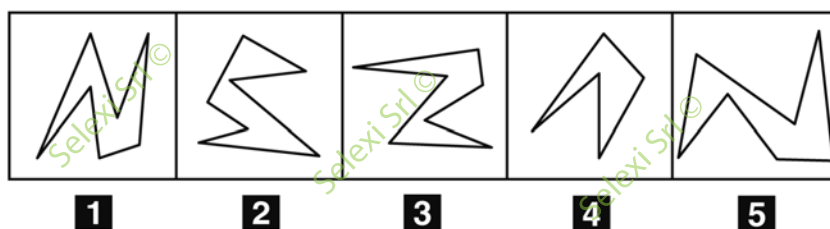
5

A) Figure 1
B) Figure 4
C) Figure 5
D) Figure 2
E) Figure 3

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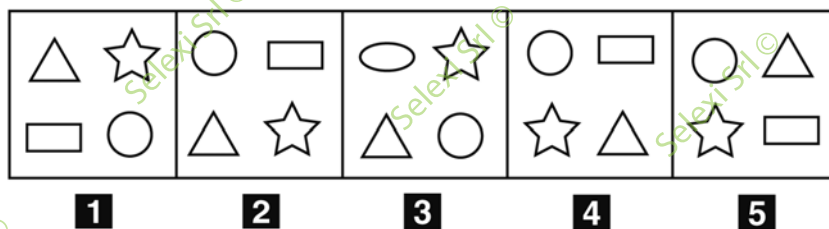
1 2 3 4 5

A) Figure 2
B) Figure 5
C) Figure 3
D) Figure 4
E) Figure 1

IMAGE SS 12

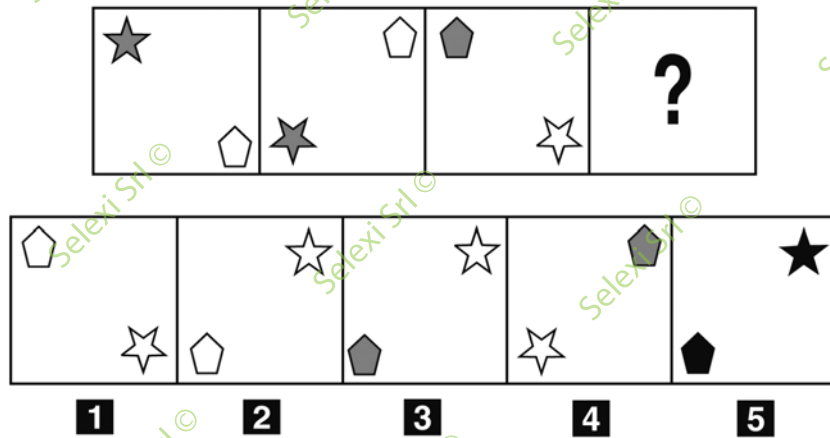
544 Answer the following question concerning IMAGE SS 12
Find the figure that does NOT fit in.

- A) Figure 1
- B) Figure 3
- C) Figure 2
- D) Figure 4
- E) Figure 5

IMAGE SS 18

545 Answer the following question concerning IMAGE SS 18
Find the figure that does NOT fit with the others.

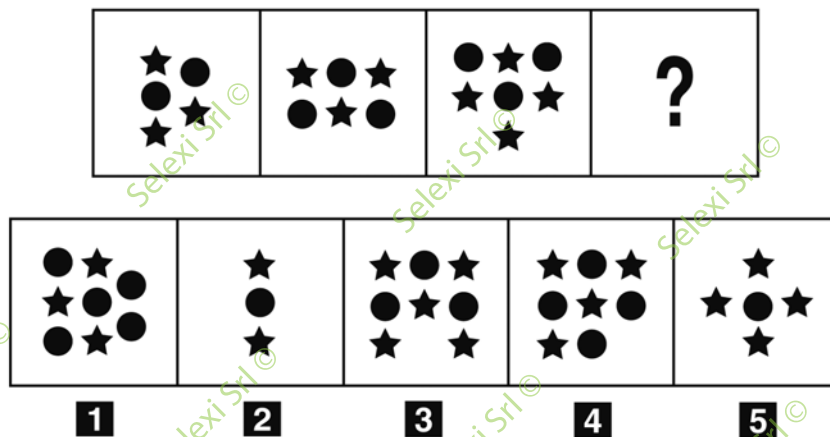
- A) Figure 1
- B) Figure 2
- C) Figure 4
- D) Figure 3
- E) Figure 5

IMAGE SS 19

546 Answer the following question concerning IMAGE SS 19

Find the figure that completes the series.

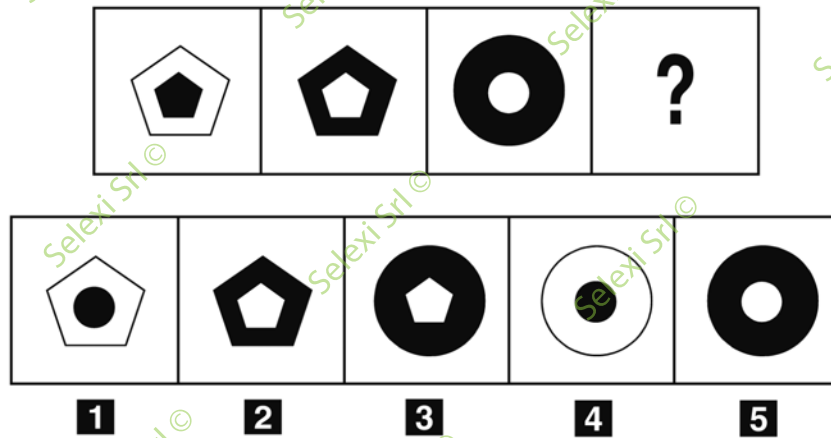
- A) Figure 4
- B) Figure 3
- C) Figure 1
- D) Figure 5
- E) Figure 2

IMAGE SS 22

547 Answer the following question concerning IMAGE SS 22

Find the figure that completes the series.

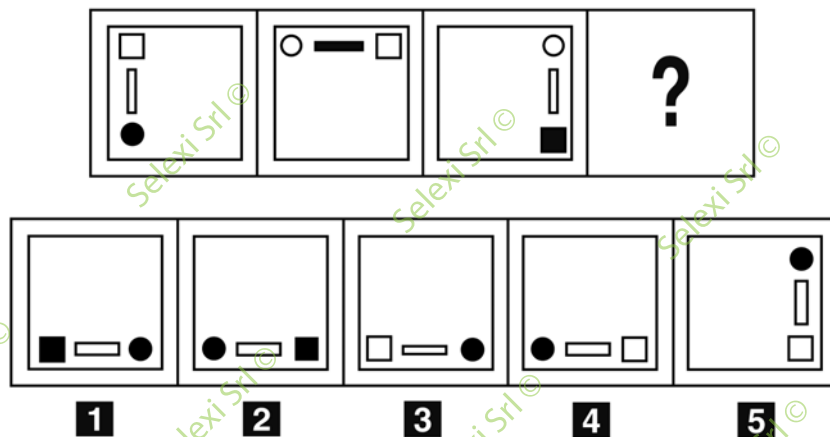
- A) Figure 2
- B) Figure 5
- C) Figure 3
- D) Figure 1
- E) Figure 4

IMAGE SS 23

548 Answer the following question concerning IMAGE SS 23

Find the figure that completes the series.

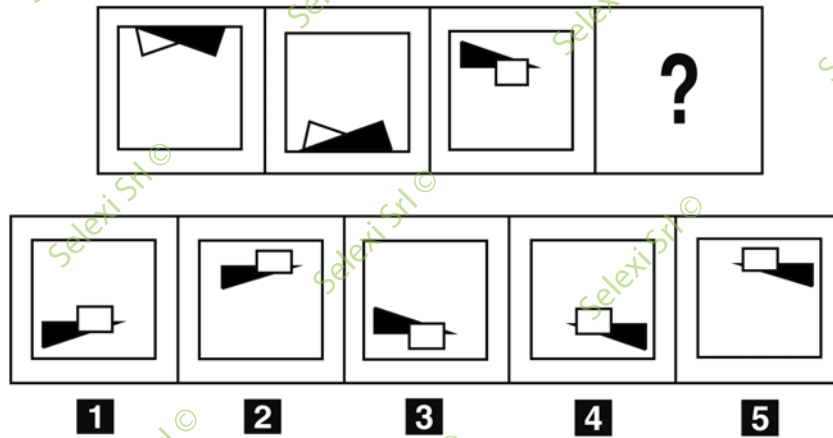
- A) Figure 4
- B) Figure 1
- C) Figure 2
- D) Figure 3
- E) Figure 5

IMAGE SS 24

549 Answer the following question concerning IMAGE SS 24

Find the figure that completes the series.

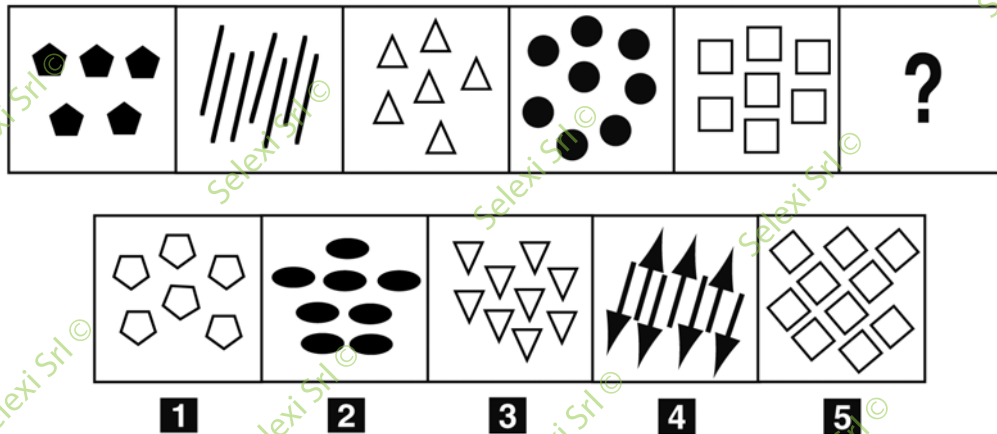
- A) Figure 2
- B) Figure 1
- C) Figure 5
- D) Figure 4
- E) Figure 3

IMAGE SS 25

550 Answer the following question concerning IMAGE SS 25

Find the figure that correctly completes the series.

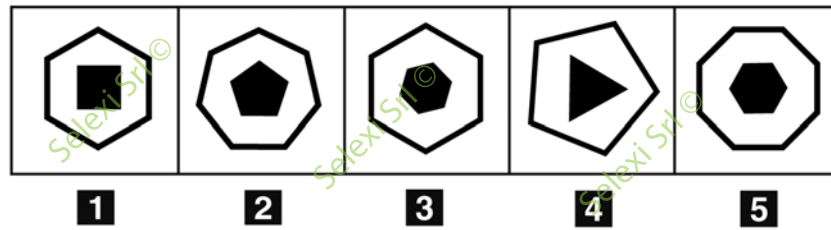
- A) Figure 3
- B) Figure 2
- C) Figure 4
- D) Figure 1
- E) Figure 5

IMAGE SS 32

551 Answer the following question concerning IMAGE SS 32

Determine which figure correctly completes the series.

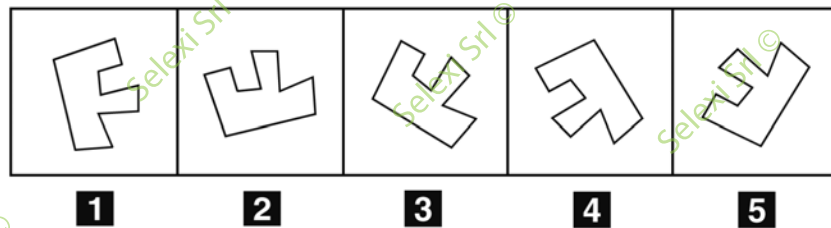
- A) Figure 5
- B) Figure 3
- C) Figure 4
- D) Figure 1
- E) Figure 2

IMAGE SS 34

552 Answer the following question concerning IMAGE SS 34

Find the figure that does NOT fit in.

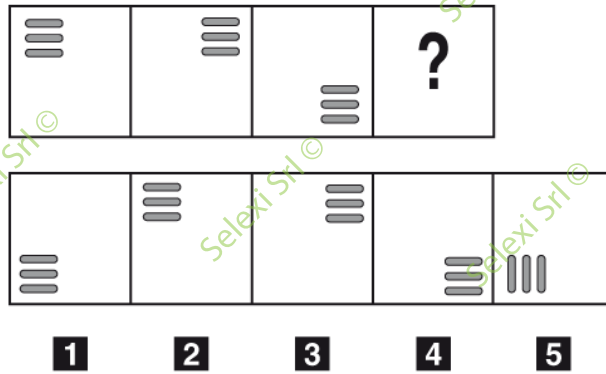
- A) Figure 2
- B) Figure 1
- C) Figure 5
- D) Figure 3
- E) Figure 4

IMAGE SS 35

553 Answer the following question concerning IMAGE SS 35

Find the figure that does NOT fit in.

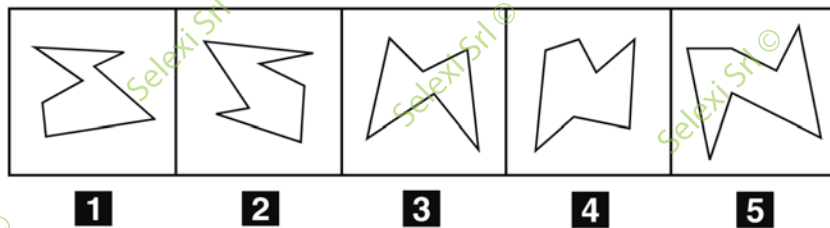
- A) Figure 5
- B) Figure 1
- C) Figure 3
- D) Figure 2
- E) Figure 4

IMAGE SS 38

554 Answer the following question concerning IMAGE SS 38

Find the figure that completes the series.

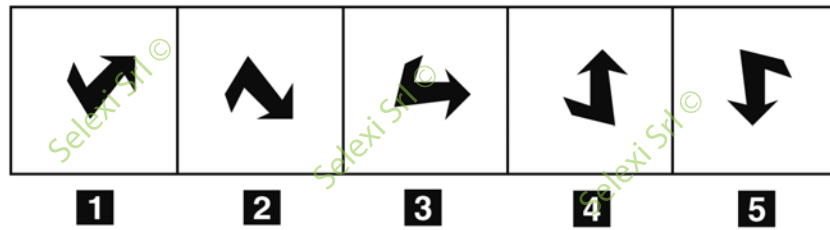
- A) Figure 5
- B) Figure 4
- C) Figure 2
- D) Figure 3
- E) Figure 1

IMAGE SS 40

555 Answer the following question concerning IMAGE SS 40

Find the figure that does NOT fit in.

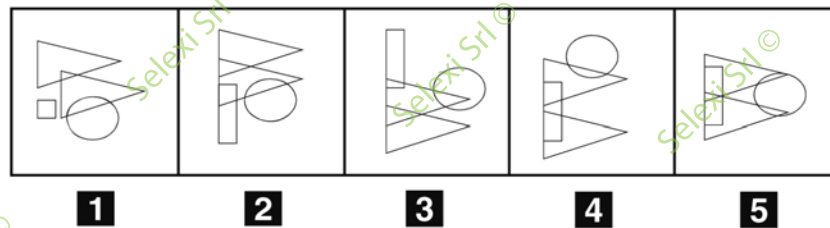
- A) Figure 3
- B) Figure 2
- C) Figure 1
- D) Figure 4
- E) Figure 5

IMAGE SS 62

556 Answer the following question concerning IMAGE SS 62

Find the figure that does NOT fit in.

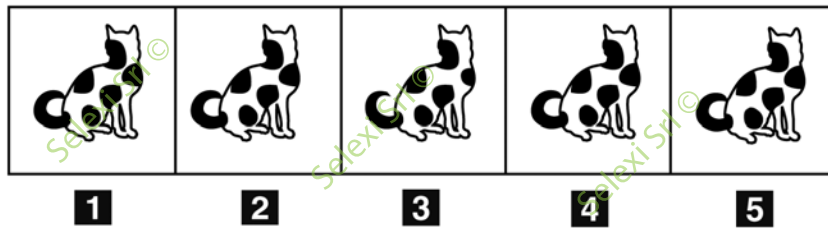
- A) Figure 2
- B) Figure 1
- C) Figure 3
- D) Figure 4
- E) Figure 5

IMAGE SS 63

557 Answer the following question concerning IMAGE SS 63

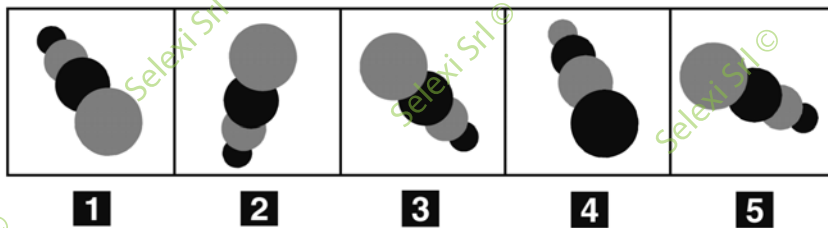
Which figure does NOT fit in the series?

- A) Figure 2
- B) Figure 1
- C) Figure 3
- D) Figure 4
- E) Figure 5

IMAGE SS 66

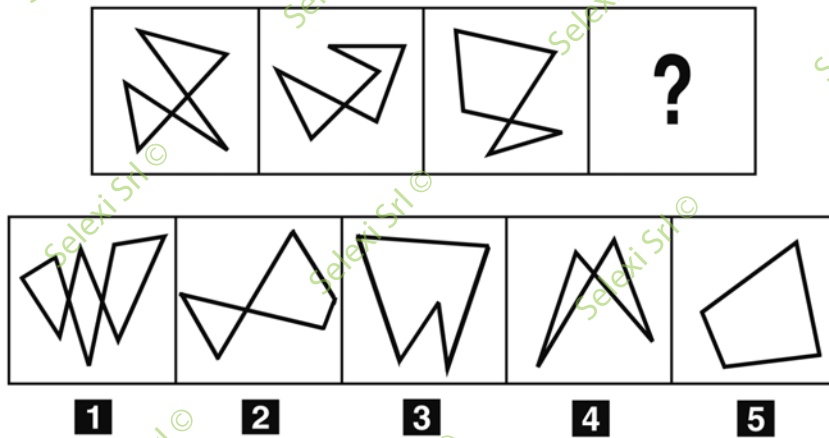
558 Answer the following question concerning IMAGE SS 66
Which of the following figures does NOT fit in the series?

- A) Figure 4
- B) Figure 2
- C) Figure 1
- D) Figure 3
- E) Figure 5

IMAGE SS 70

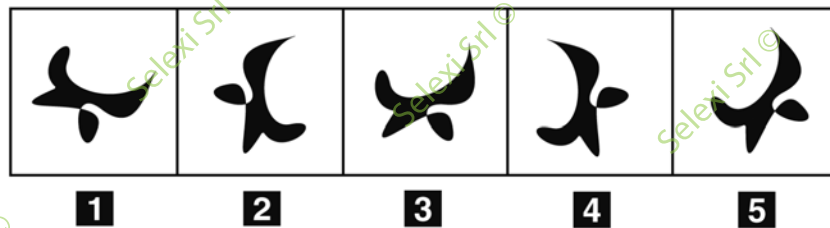
559 Answer the following question concerning IMAGE SS 70
Which figure does NOT fit in the series?

- A) Figure 3
- B) Figure 2
- C) Figure 4
- D) Figure 1
- E) Figure 5

IMAGE SS 71

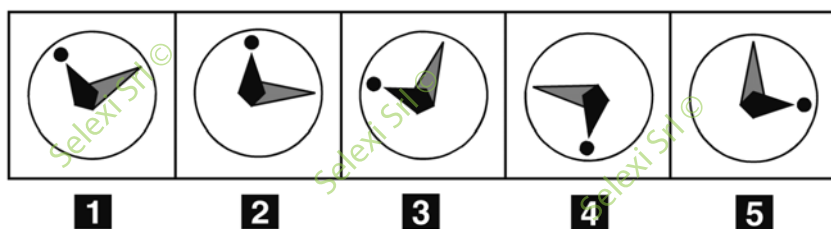
560 Answer the following question concerning IMAGE SS 71
Which of the figures below correctly completes the series?

- A) Figure 5
- B) Figure 4
- C) Figure 2
- D) Figure 3
- E) Figure 1

IMAGE SS 72

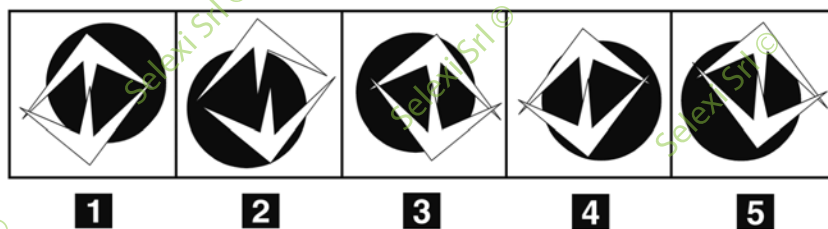
561 Answer the following question concerning IMAGE SS 72
Which figure does NOT fit in the series?

- A) Figure 2
- B) Figure 5
- C) Figure 1
- D) Figure 3
- E) Figure 4

IMAGE SS 74

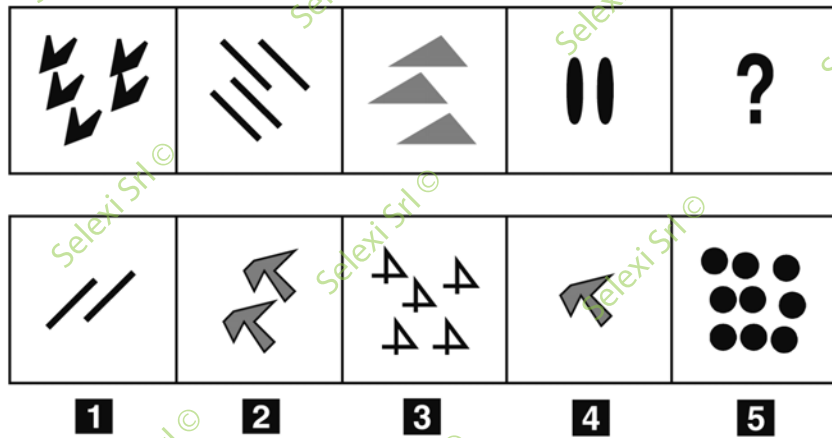
562 Answer the following question concerning IMAGE SS 74
Find the figure that does NOT fit in.

- A) Figure 2
- B) Figure 5
- C) Figure 3
- D) Figure 4
- E) Figure 1

IMAGE SS 75

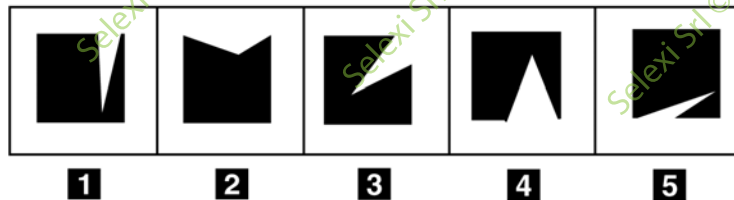
563 Answer the following question concerning IMAGE SS 75
Which figure does NOT fit in the series?

- A) Figure 3
- B) Figure 1
- C) Figure 2
- D) Figure 4
- E) Figure 5

IMAGE SS 77

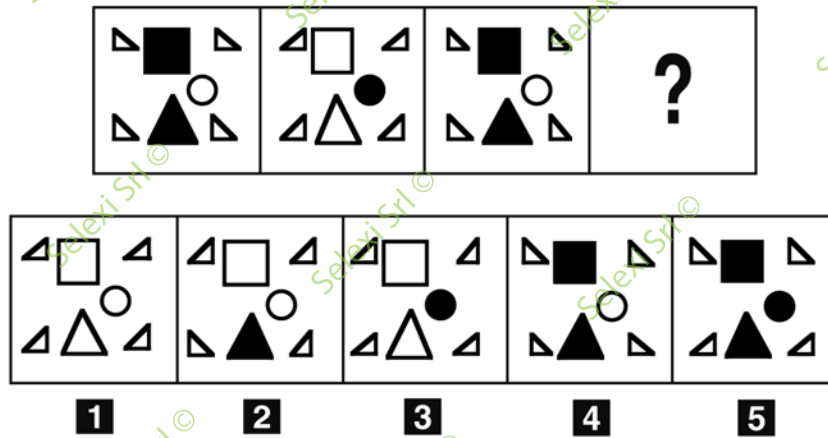
564 Answer the following question concerning IMAGE SS 77
Find the figure that correctly completes the series.

- A) Figure 2
- B) Figure 3
- C) Figure 4
- D) Figure 1
- E) Figure 5

IMAGE SS 80

565 Answer the following question concerning IMAGE SS 80
Which of the following figures does NOT fit in the series?

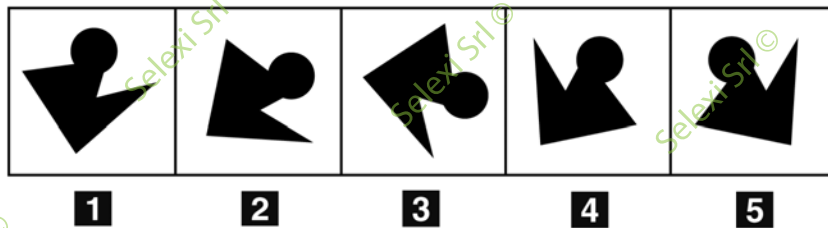
- A) Figure 1
- B) Figure 4
- C) Figure 3
- D) Figure 2
- E) Figure 5

IMAGE SS 84

566 Answer the following question concerning IMAGE SS 84

Find the figure that completes the series.

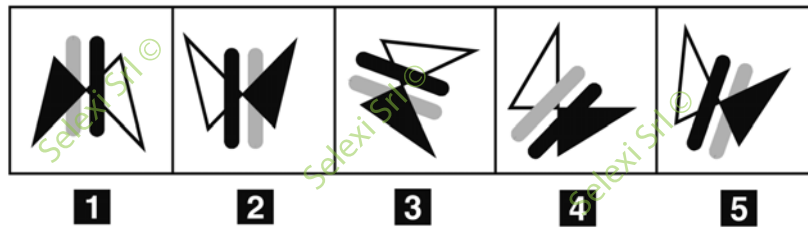
- A) Figure 5
- B) Figure 2
- C) Figure 3
- D) Figure 4
- E) Figure 1

IMAGE SS 87

567 Answer the following question concerning IMAGE SS 87

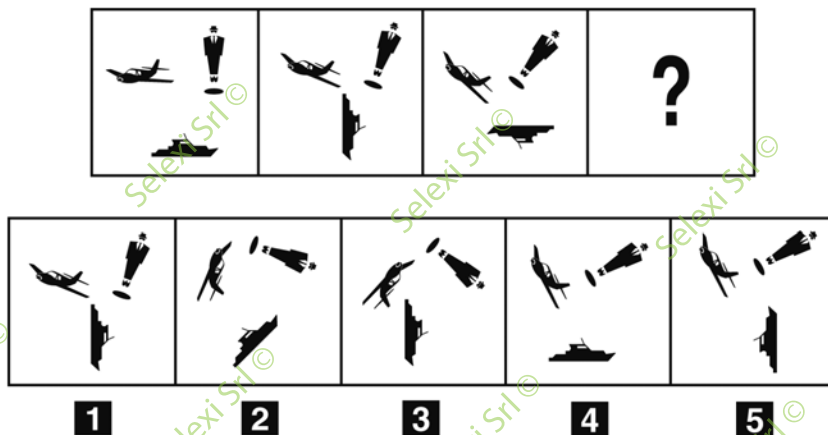
Which of the following figures does NOT fit in the series?

- A) Figure 4
- B) Figure 2
- C) Figure 3
- D) Figure 1
- E) Figure 5

IMAGE ST 07

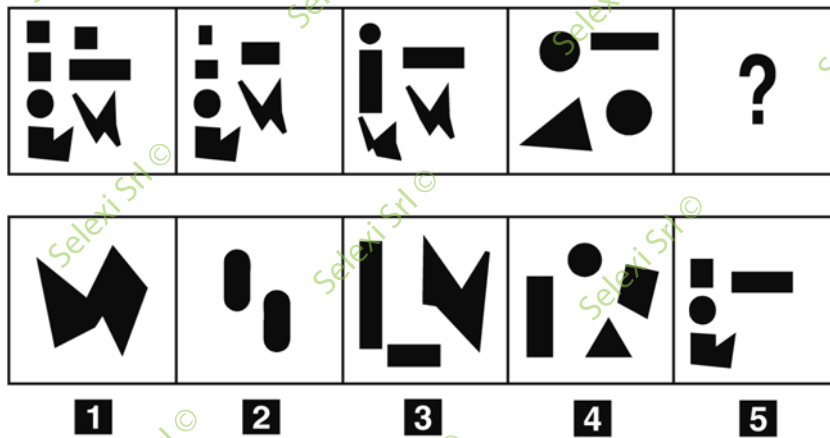
568 Answer the following question concerning IMAGE ST 07
Find the figure that does NOT fit in.

- A) Figure 4
- B) Figure 5
- C) Figure 3
- D) Figure 1
- E) Figure 2

IMAGE ST 10

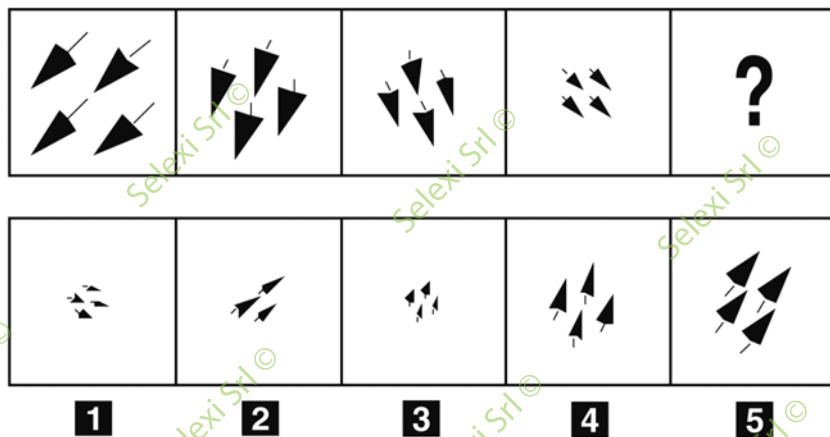
569 Answer the following question concerning IMAGE ST 10
Find the figure that completes the series.

- A) Figure 2
- B) Figure 1
- C) Figure 3
- D) Figure 4
- E) Figure 5

IMAGE ST 11

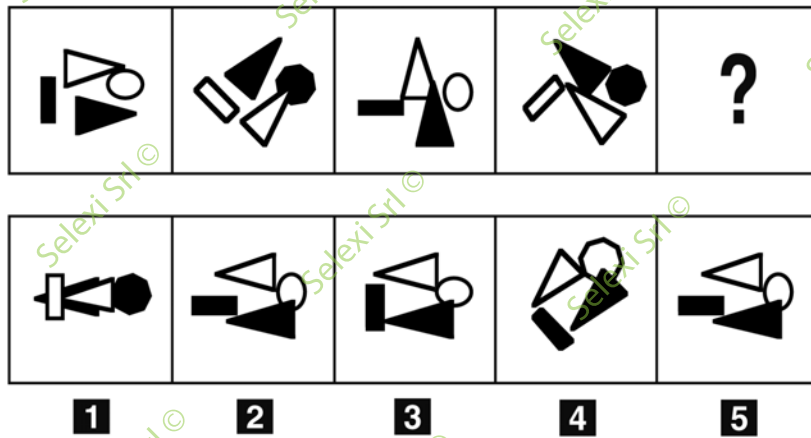
570 Answer the following question concerning **IMAGE ST 11**
Find the figure that correctly completes the series.

- A) Figure 2
- B) Figure 4
- C) Figure 1
- D) Figure 3
- E) Figure 5

IMAGE ST 13

571 Answer the following question concerning **IMAGE ST 13**
Find the figure that completes the series.

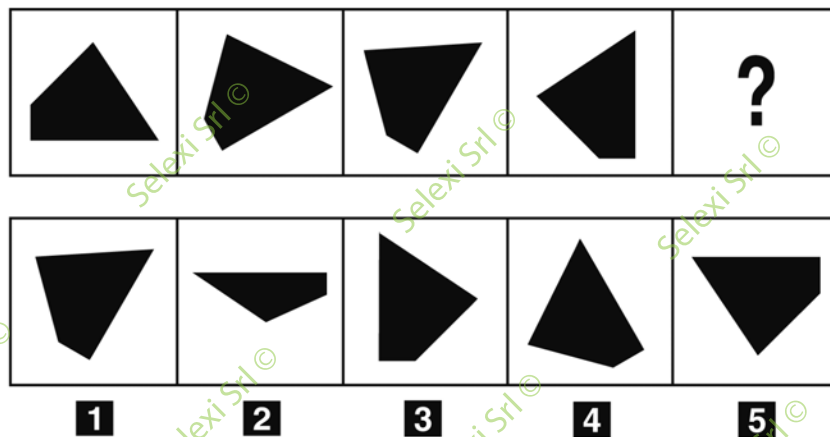
- A) Figure 1
- B) Figure 2
- C) Figure 3
- D) Figure 4
- E) Figure 5

IMAGE ST 15

572 Answer the following question concerning IMAGE ST 15

Find the figure that completes the series.

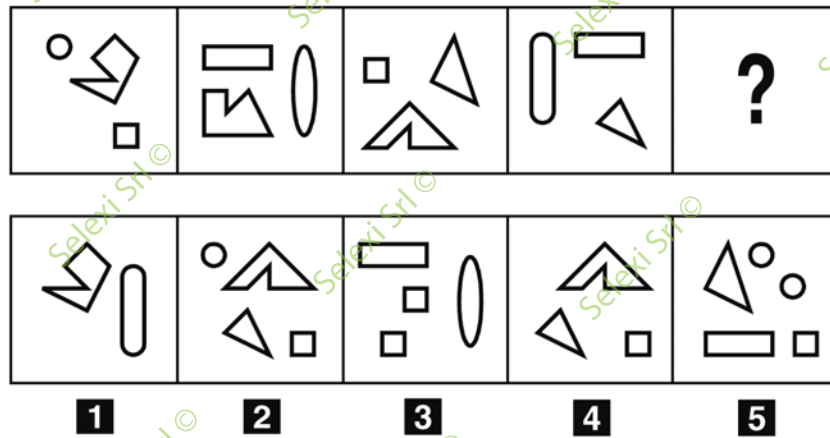
- A) Figure 4
- B) Figure 3
- C) Figure 5
- D) Figure 1
- E) Figure 2

IMAGE ST 16

573 Answer the following question concerning IMAGE ST 16

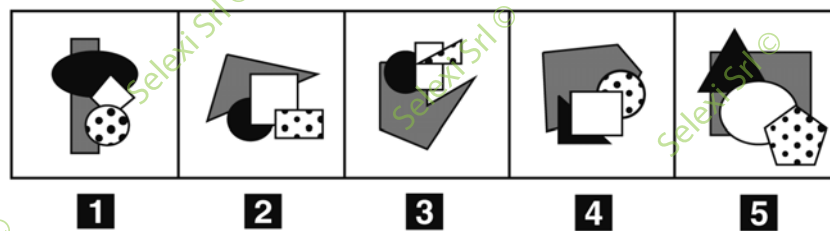
Which of the numbered figures correctly completes the series?

- A) Figure 2
- B) Figure 5
- C) Figure 3
- D) Figure 1
- E) Figure 4

IMAGE ST 18

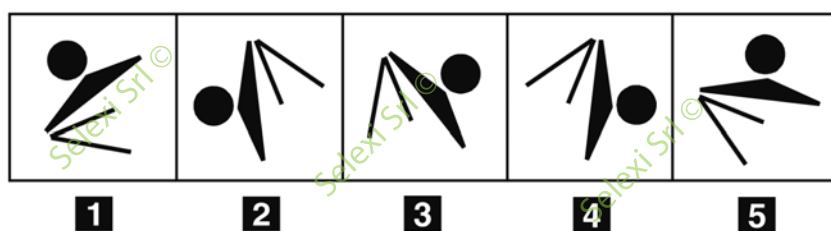
574 Answer the following question concerning IMAGE ST 18
Find the figure that completes the series.

- A) Figure 4
- B) Figure 2
- C) Figure 3
- D) Figure 1
- E) Figure 5

IMAGE ST 19

575 Answer the following question concerning IMAGE ST 19
Which of the following figures does NOT fit in the series?

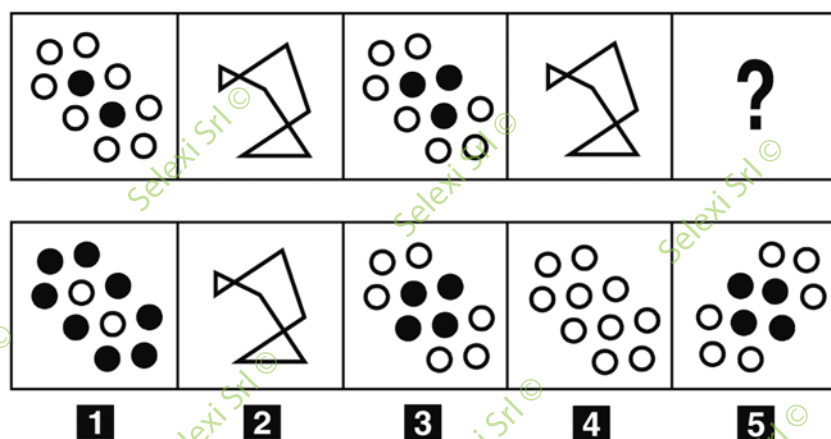
- A) Figure 5
- B) Figure 1
- C) Figure 2
- D) Figure 3
- E) Figure 4

IMAGE ST 21

576 Answer the following question concerning IMAGE ST 21

Which figure does NOT fit in the series?

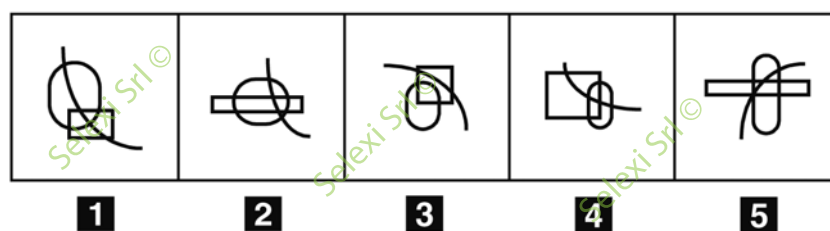
- A) Figure 3
- B) Figure 1
- C) Figure 5
- D) Figure 4
- E) Figure 2

IMAGE ST 22

577 Answer the following question concerning IMAGE ST 22

Find the figure that completes the series.

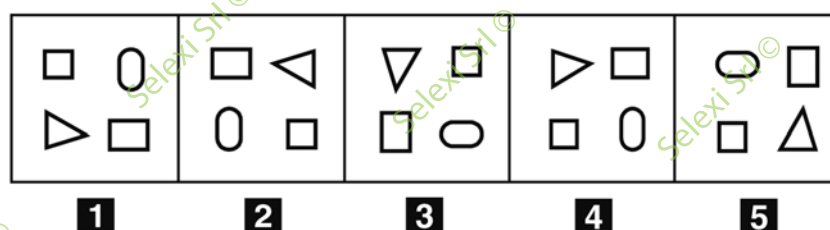
- A) Figure 3
- B) Figure 2
- C) Figure 1
- D) Figure 4
- E) Figure 5

IMAGE ST 23

578 Answer the following question concerning IMAGE ST 23

Which figure does NOT fit in the series?

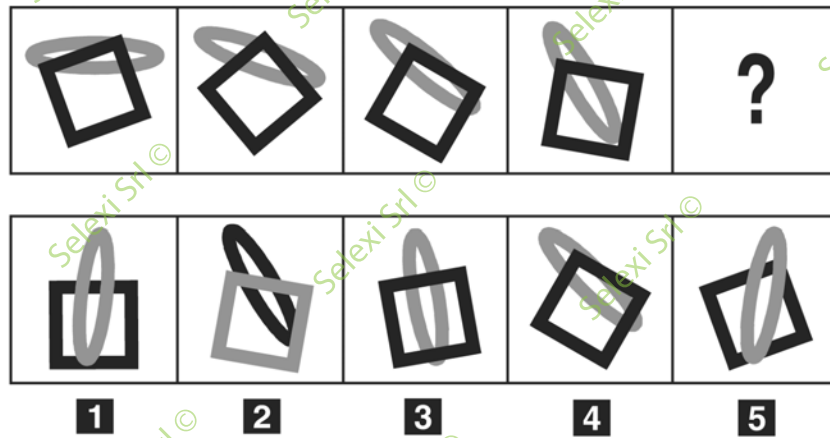
- A) Figure 4
- B) Figure 2
- C) Figure 1
- D) Figure 5
- E) Figure 3

IMAGE ST 24

579 Answer the following question concerning IMAGE ST 24

Which figure does NOT fit in the series?

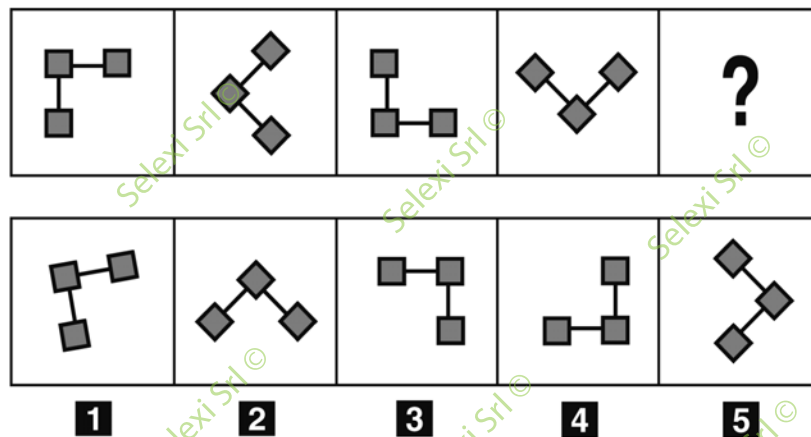
- A) Figure 3
- B) Figure 2
- C) Figure 4
- D) Figure 1
- E) Figure 5

IMAGE ST 26

580 Answer the following question concerning IMAGE ST 26

Find the figure that completes the series.

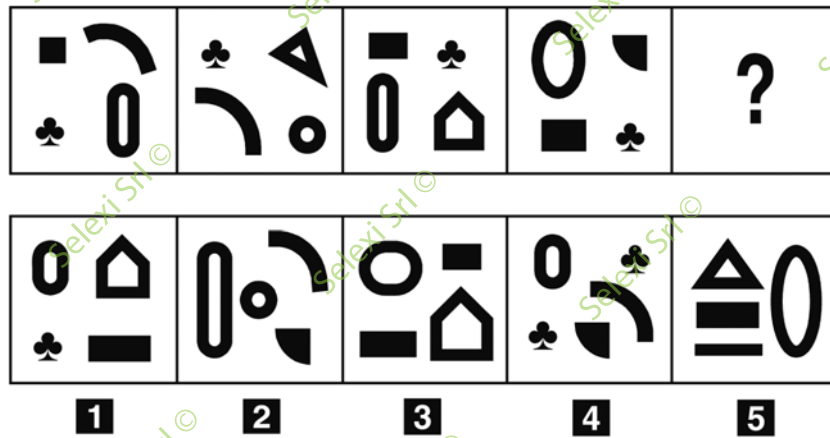
- A) Figure 3
- B) Figure 2
- C) Figure 1
- D) Figure 4
- E) Figure 5

IMAGE ST 27

581 Answer the following question concerning IMAGE ST 27

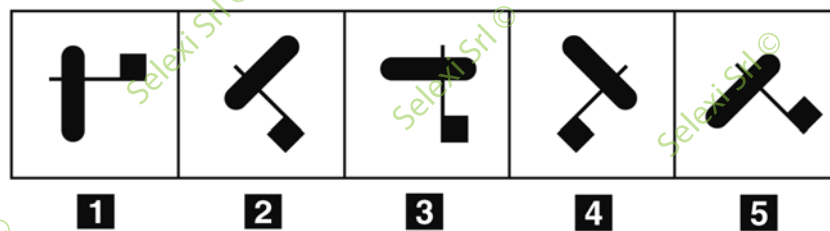
Find the figure that completes the series.

- A) Figure 2
- B) Figure 5
- C) Figure 3
- D) Figure 1
- E) Figure 4

IMAGE ST 29

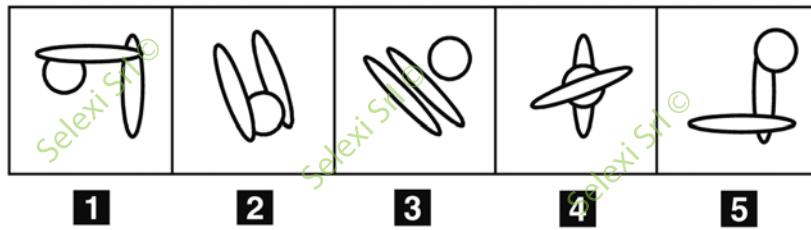
582 Answer the following question concerning IMAGE ST 29
Find the figure that correctly completes the series.

- A) Figure 1
- B) Figure 3
- C) Figure 2
- D) Figure 4
- E) Figure 5

IMAGE ST 30

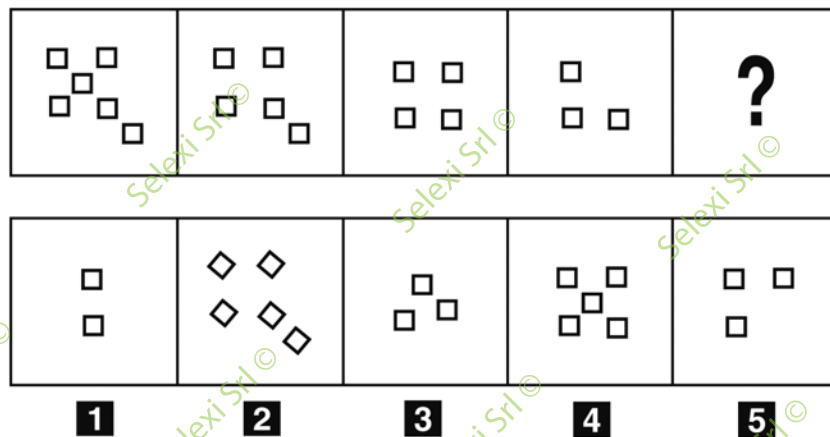
583 Answer the following question concerning IMAGE ST 30
Find the figure that does NOT fit with the others.

- A) Figure 1
- B) Figure 3
- C) Figure 2
- D) Figure 4
- E) Figure 5

IMAGE ST 33

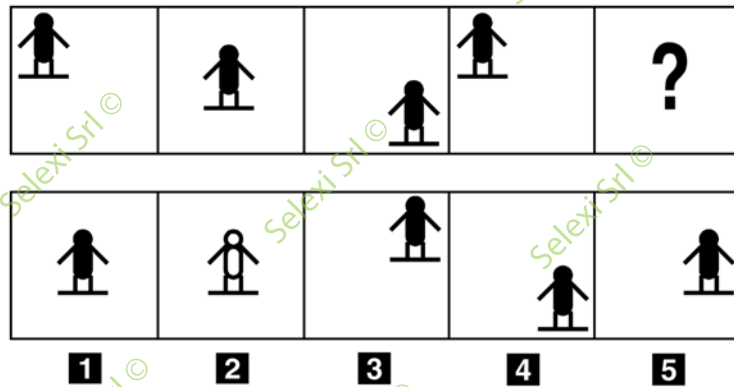
584 Answer the following question concerning IMAGE ST 33
Which of the following figures does NOT fit in the series?

- A) Figure 3
- B) Figure 2
- C) Figure 1
- D) Figure 4
- E) Figure 5

IMAGE ST 34

585 Answer the following question concerning IMAGE ST 34
Find the figure that completes the series.

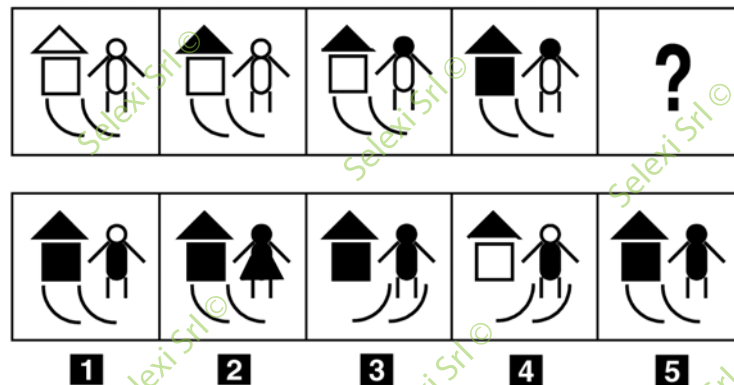
- A) Figure 3
- B) Figure 2
- C) Figure 5
- D) Figure 4
- E) Figure 1

IMAGE ST 38

586 Answer the following question concerning IMAGE ST 38

Find the figure that completes the series.

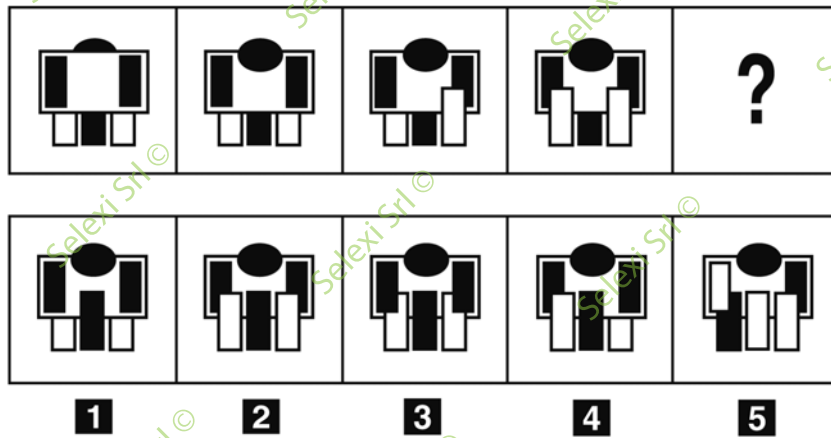
- A) Figure 5
- B) Figure 1
- C) Figure 3
- D) Figure 4
- E) Figure 2

IMAGE ST 40

587 Answer the following question concerning IMAGE ST 40

Find the figure that correctly completes the series.

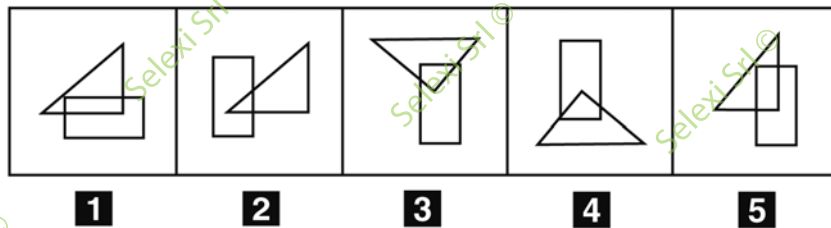
- A) Figure 2
- B) Figure 3
- C) Figure 1
- D) Figure 5
- E) Figure 4

IMAGE ST 44

588 Answer the following question concerning IMAGE ST 44

Find the figure that completes the series.

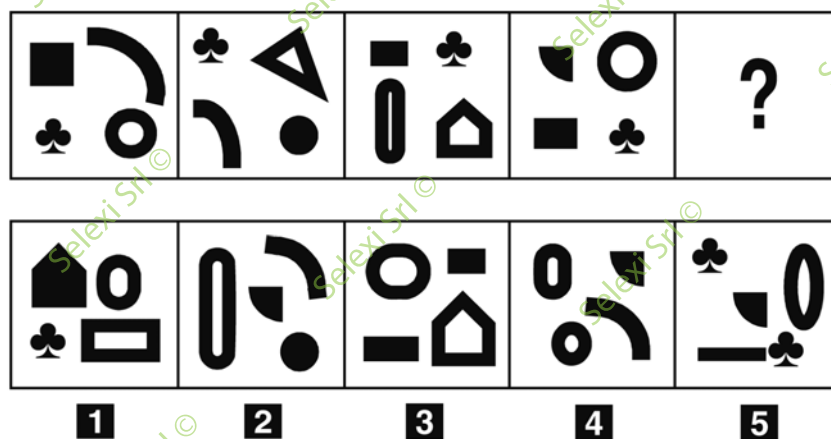
- A) Figure 5
- B) Figure 4
- C) Figure 3
- D) Figure 1
- E) Figure 2

IMAGE ST 45

589 Answer the following question concerning IMAGE ST 45

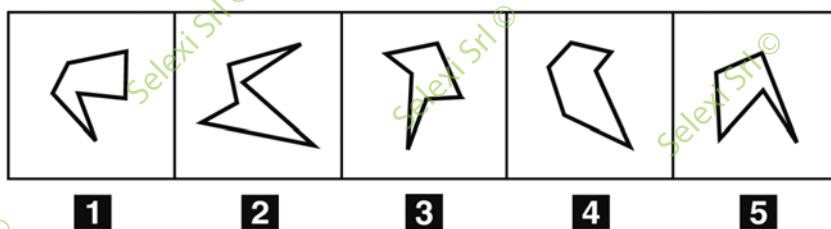
Which of the following figures does NOT fit in the series?

- A) Figure 3
- B) Figure 5
- C) Figure 4
- D) Figure 1
- E) Figure 2

IMAGE ST 48

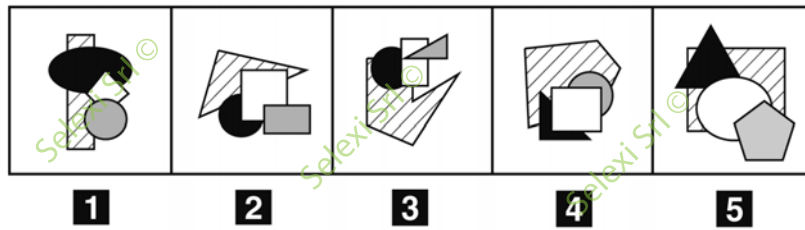
590 Answer the following question concerning IMAGE ST 48
Find the figure that completes the series.

- A) Figure 3
- B) Figure 2
- C) Figure 5
- D) Figure 4
- E) Figure 1

IMAGE ST 49

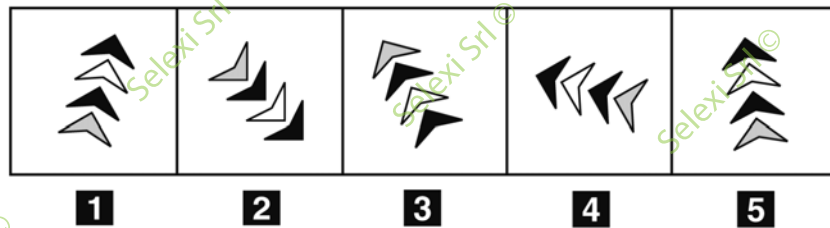
591 Answer the following question concerning IMAGE ST 49
Find the figure that does NOT fit in.

- A) Figure 3
- B) Figure 2
- C) Figure 1
- D) Figure 4
- E) Figure 5

IMAGE SU 19

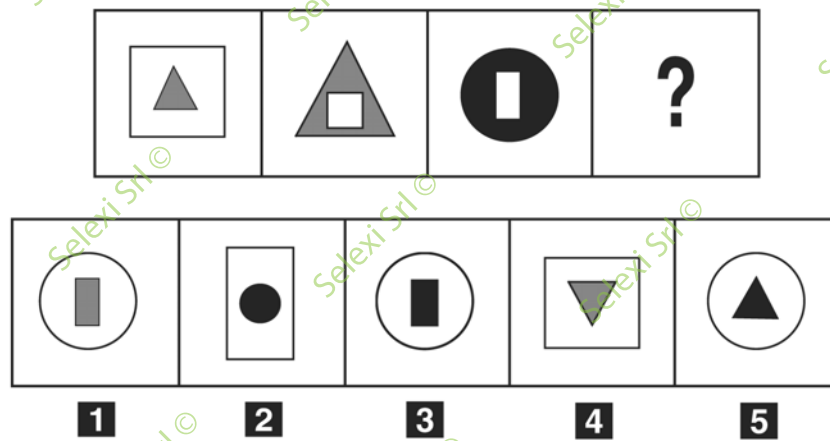
592 Answer the following question concerning IMAGE SU 19
Find the figure that does NOT fit in.

- A) Figure 1
- B) Figure 2
- C) Figure 4
- D) Figure 5
- E) Figure 3

IMAGE SU 20

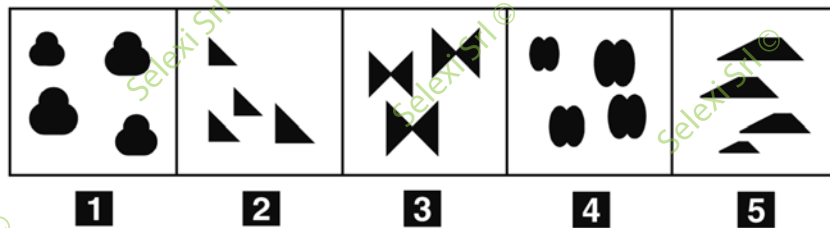
593 Answer the following question concerning IMAGE SU 20
Find the figure that does NOT fit in.

- A) Figure 4
- B) Figure 1
- C) Figure 2
- D) Figure 5
- E) Figure 3

IMAGE SU 21

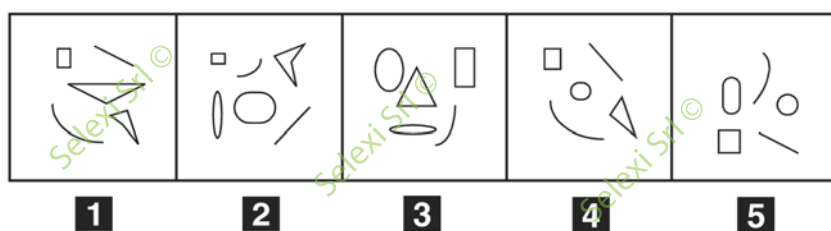
594 Answer the following question concerning IMAGE SU 21
Find the figure that correctly completes the series.

- A) Figure 5
- B) Figure 4
- C) Figure 2
- D) Figure 3
- E) Figure 1

IMAGE SU 22

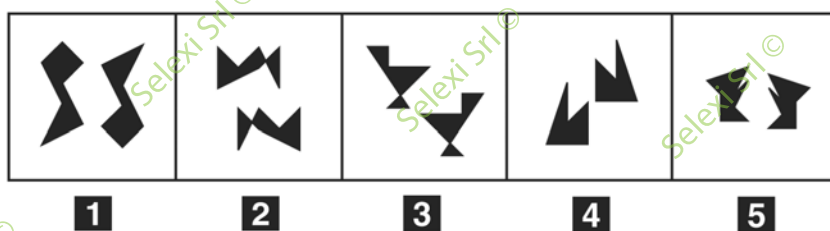
595 Answer the following question concerning IMAGE SU 22
Which figure does NOT fit in the series?

- A) Figure 4
- B) Figure 1
- C) Figure 2
- D) Figure 3
- E) Figure 5

IMAGE SU 23

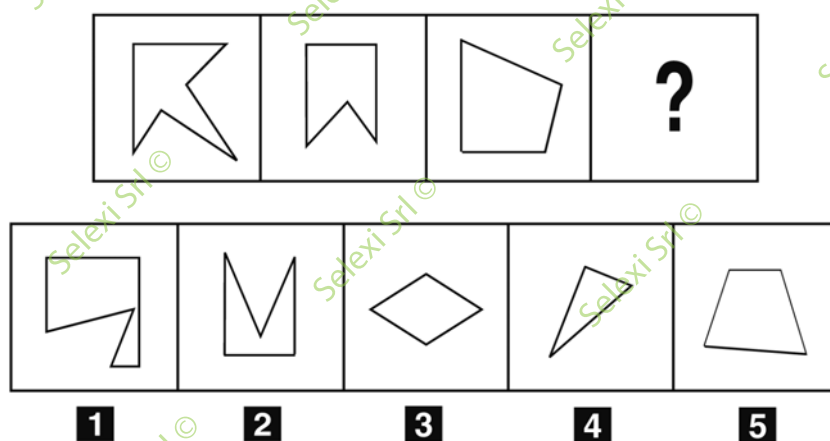
596 Answer the following question concerning IMAGE SU 23
Find the figure that does NOT fit in.

- A) Figure 3
- B) Figure 2
- C) Figure 1
- D) Figure 4
- E) Figure 5

IMAGE SU 24

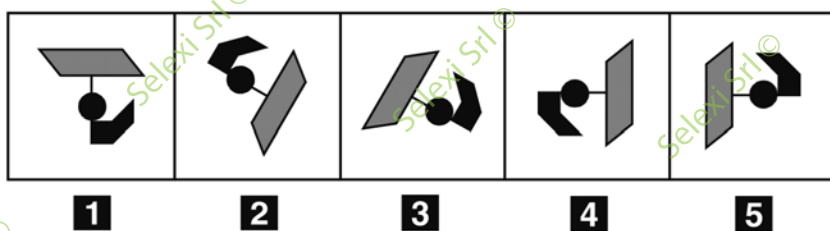
597 Answer the following question concerning IMAGE SU 24
Find the figure that does NOT fit in.

- A) Figure 5
- B) Figure 1
- C) Figure 3
- D) Figure 4
- E) Figure 2

IMAGE SU 25

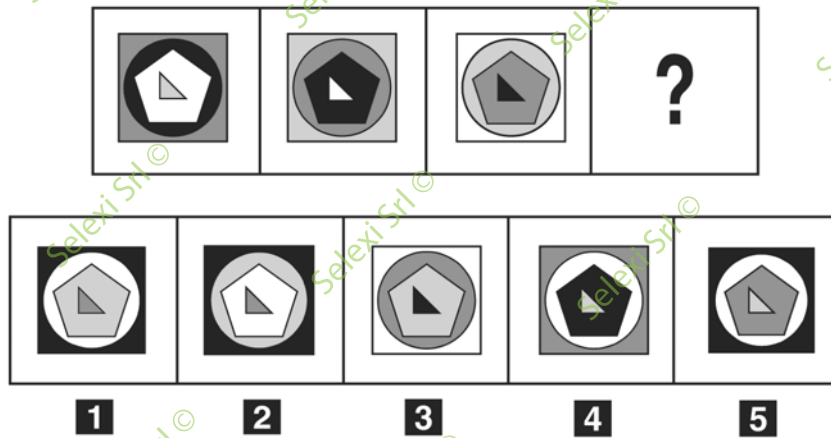
598 Answer the following question concerning IMAGE SU 25
Find the figure that completes the series.

- A) Figure 1
- B) Figure 5
- C) Figure 2
- D) Figure 3
- E) Figure 4

IMAGE SU 28

599 Answer the following question concerning IMAGE SU 28
Which figure does NOT fit in the series?

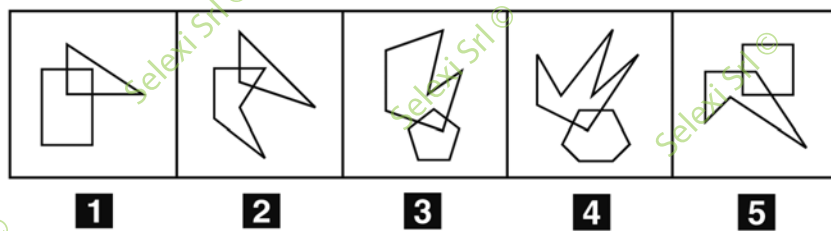
- A) Figure 1
- B) Figure 2
- C) Figure 3
- D) Figure 4
- E) Figure 5

IMAGE SU 29

600 Answer the following question concerning IMAGE SU 29

Find the figure that completes the series.

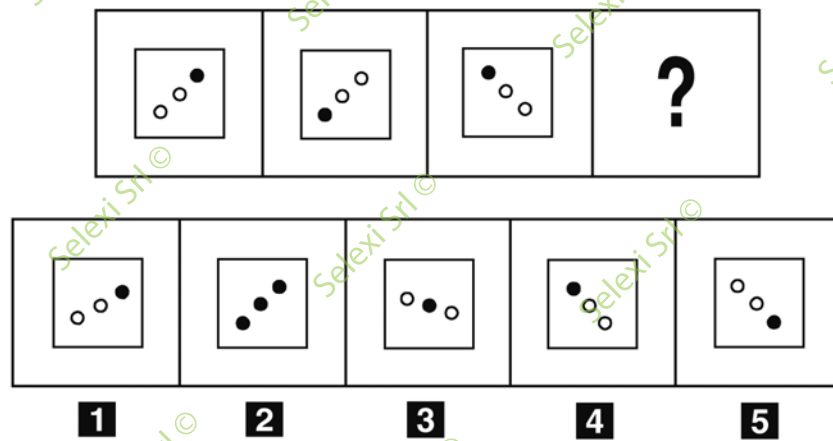
- A) Figure 3
- B) Figure 2
- C) Figure 1
- D) Figure 4
- E) Figure 5

IMAGE SU 30

601 Answer the following question concerning IMAGE SU 30

Find the figure that does NOT fit in.

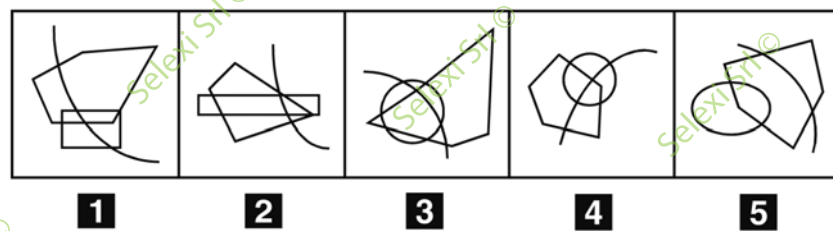
- A) Figure 1
- B) Figure 5
- C) Figure 3
- D) Figure 4
- E) Figure 2

IMAGE SU 31

602 Answer the following question concerning **IMAGE SU 31**

Find the figure that completes the series.

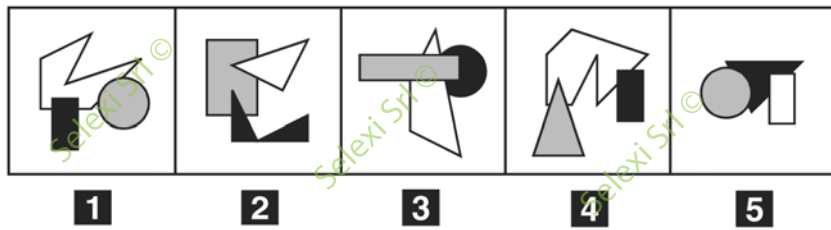
- A) Figure 3
- B) Figure 1
- C) Figure 2
- D) Figure 5
- E) Figure 4

IMAGE SU 35

603 Answer the following question concerning **IMAGE SU 35**

Find the figure that does NOT fit with the others.

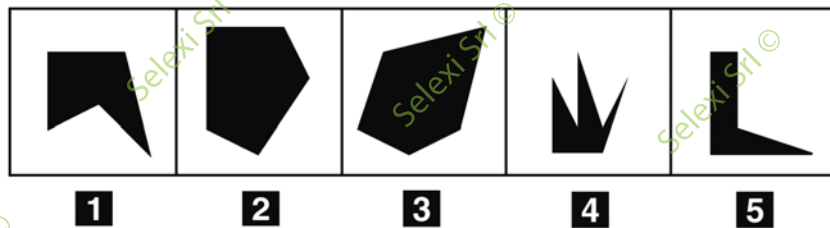
- A) Figure 2
- B) Figure 1
- C) Figure 5
- D) Figure 3
- E) Figure 4

IMAGE SU 36

604 Answer the following question concerning IMAGE SU 36

Which figure does NOT fit in the series?

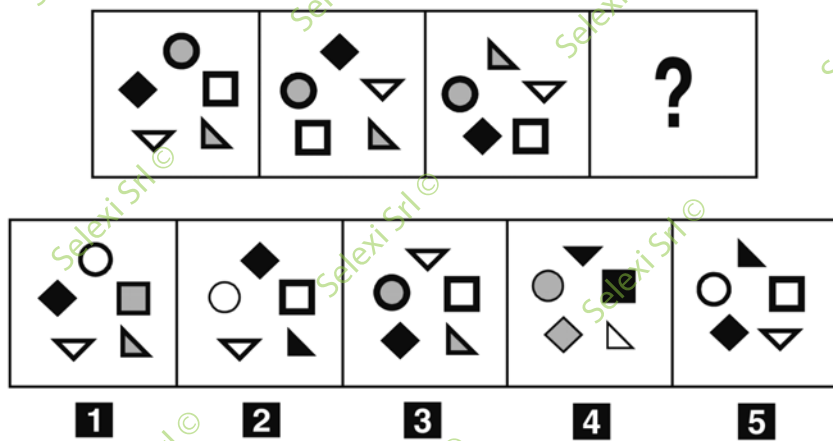
- A) Figure 1
- B) Figure 2
- C) Figure 3
- D) Figure 4
- E) Figure 5

IMAGE SU 37

605 Answer the following question concerning IMAGE SU 37

Find the figure that does NOT fit in.

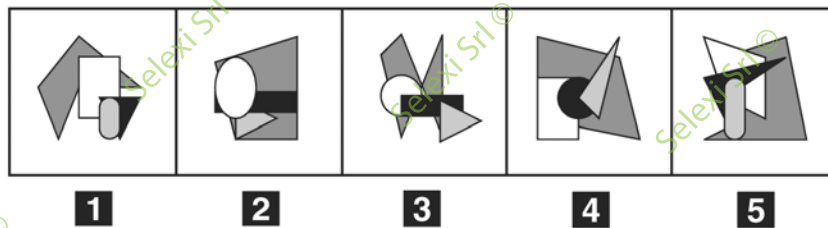
- A) Figure 2
- B) Figure 3
- C) Figure 1
- D) Figure 5
- E) Figure 4

IMAGE SU 38

606 Answer the following question concerning IMAGE SU 38

Find the figure that completes the series.

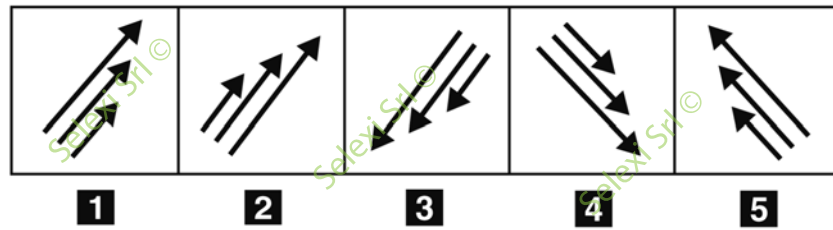
- A) Figure 4
- B) Figure 1
- C) Figure 2
- D) Figure 3
- E) Figure 5

IMAGE SU 39

607 Answer the following question concerning IMAGE SU 39

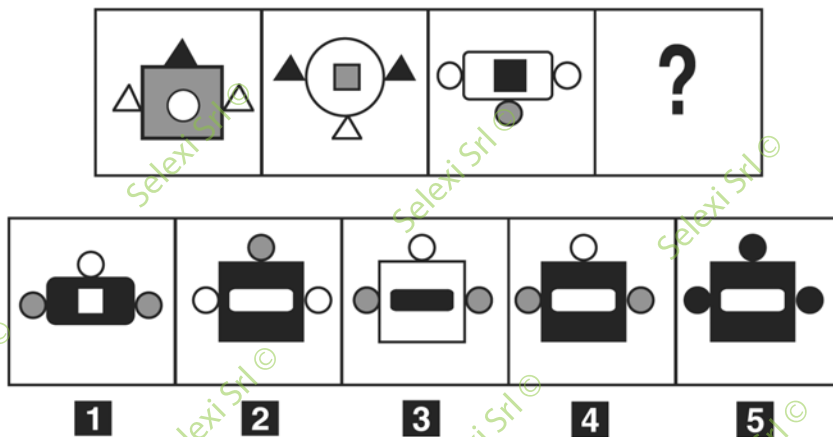
Which figure does NOT fit in the series?

- A) Figure 2
- B) Figure 1
- C) Figure 3
- D) Figure 4
- E) Figure 5

IMAGE SU 40

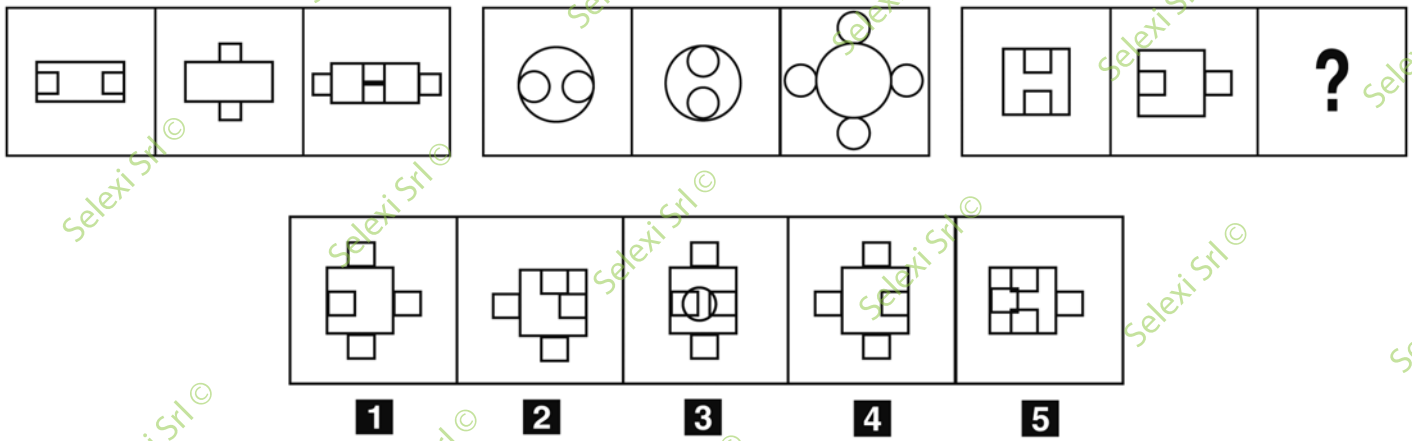
608 Answer the following question concerning IMAGE SU 40
Choose the alternative that does NOT fit in the group.

- A) Figure 2
- B) Figure 1
- C) Figure 4
- D) Figure 3
- E) Figure 5

IMAGE SU 43

609 Answer the following question concerning IMAGE SU 43
Find the missing figure.

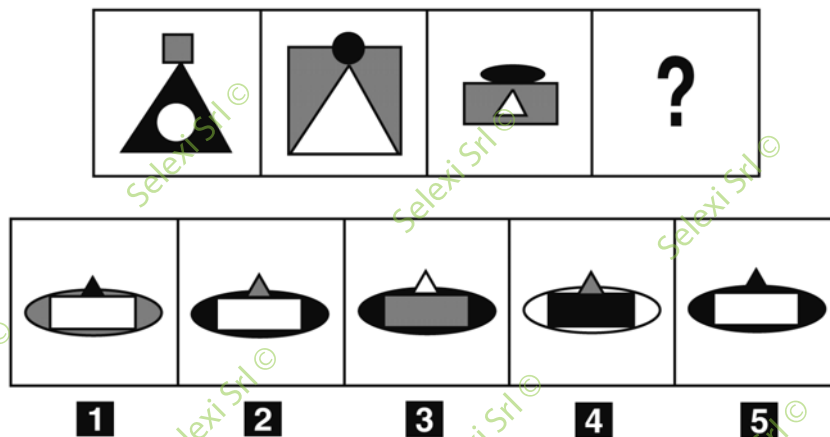
- A) Figure 3
- B) Figure 2
- C) Figure 1
- D) Figure 4
- E) Figure 5

IMAGE SU 44

610 Answer the following question concerning IMAGE SU 44

Find the missing figure.

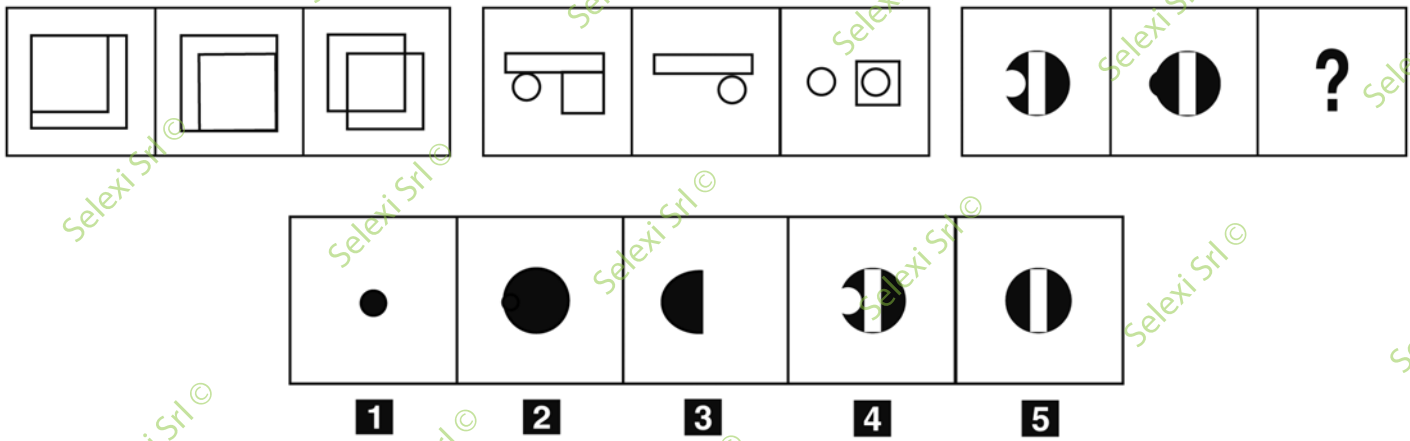
- A) Figure 5
- B) Figure 2
- C) Figure 3
- D) Figure 1
- E) Figure 4

IMAGE SU 45

611 Answer the following question concerning IMAGE SU 45

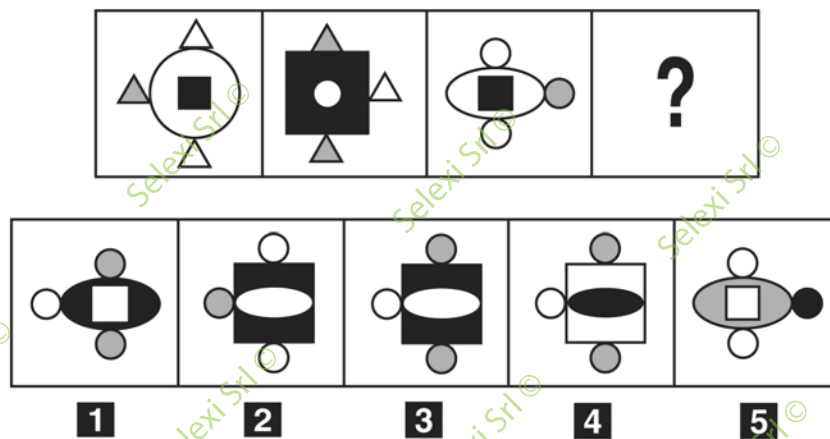
Find the figure that completes the series.

- A) Figure 5
- B) Figure 2
- C) Figure 3
- D) Figure 4
- E) Figure 1

IMAGE SU 46

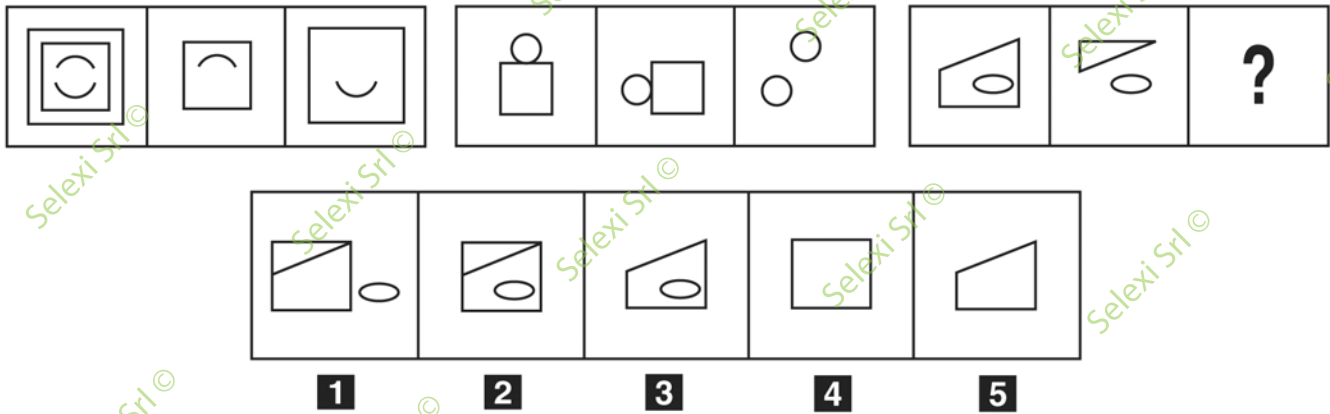
612 Answer the following question concerning IMAGE SU 46
Determine which figure correctly completes the series.

- A) Figure 1
- B) Figure 2
- C) Figure 5
- D) Figure 4
- E) Figure 3

IMAGE SU 49

613 Answer the following question concerning IMAGE SU 49
Find the figure that completes the series.

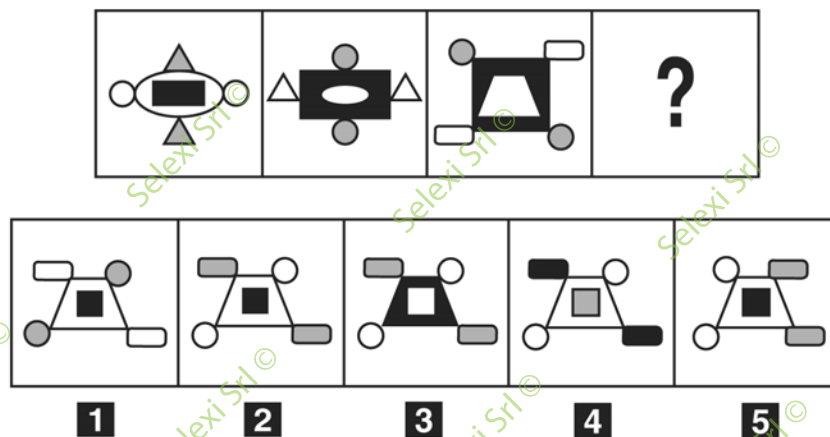
- A) Figure 4
- B) Figure 2
- C) Figure 1
- D) Figure 5
- E) Figure 3

IMAGE SU 50

614 Answer the following question concerning IMAGE SU 50

Which of the figures proposed correctly completes the series?

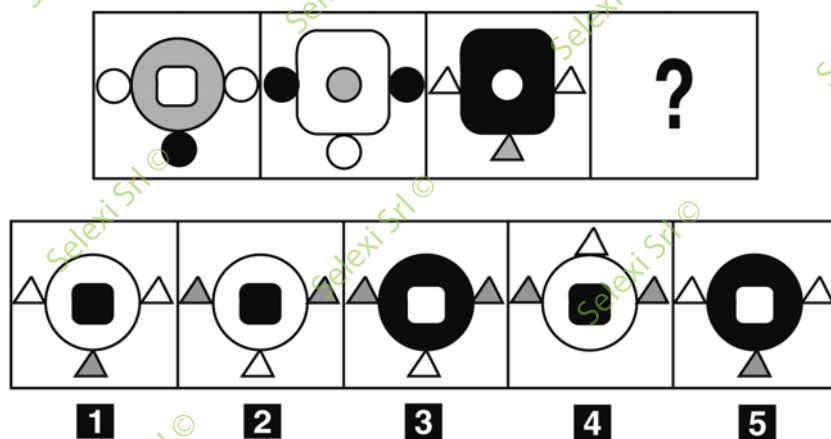
- A) Figure 4
- B) Figure 1
- C) Figure 3
- D) Figure 2
- E) Figure 5

IMAGE SU 52

615 Answer the following question concerning IMAGE SU 52

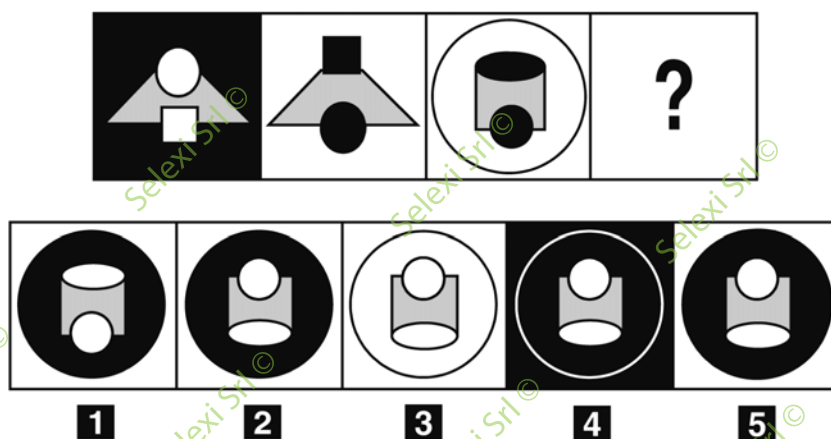
Find the figure that completes the series.

- A) Figure 2
- B) Figure 3
- C) Figure 1
- D) Figure 5
- E) Figure 4

IMAGE SU 57

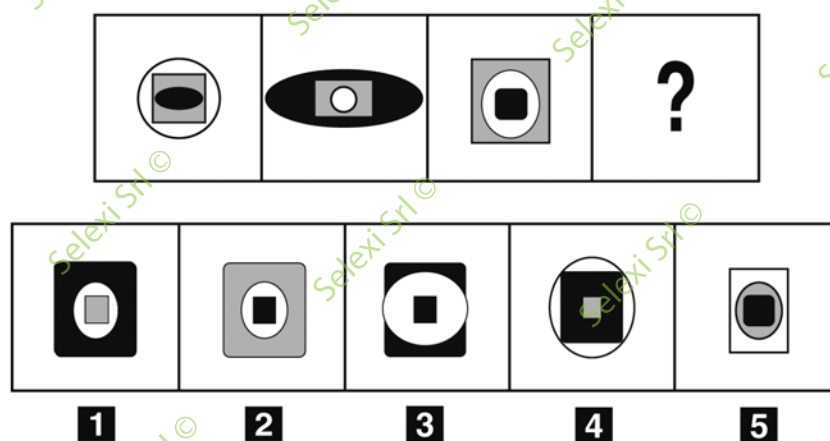
616 Answer the following question concerning IMAGE SU 57
Find the figure that correctly completes the series.

- A) Figure 5
- B) Figure 1
- C) Figure 2
- D) Figure 3
- E) Figure 4

IMAGE SU 58

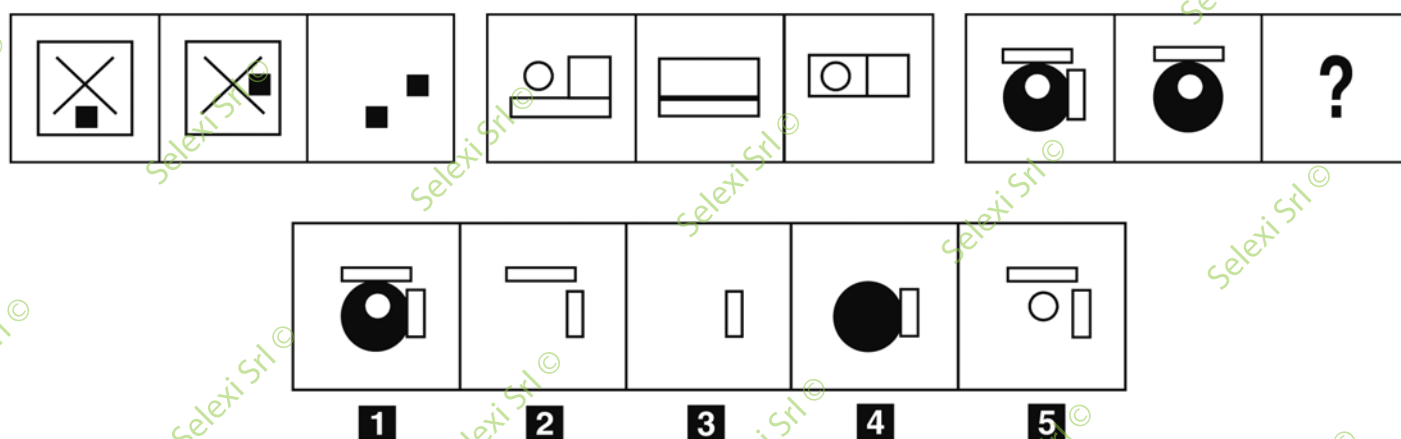
617 Answer the following question concerning IMAGE SU 58
Determine which figure correctly completes the series.

- A) Figure 3
- B) Figure 2
- C) Figure 4
- D) Figure 5
- E) Figure 1

IMAGE SU 60

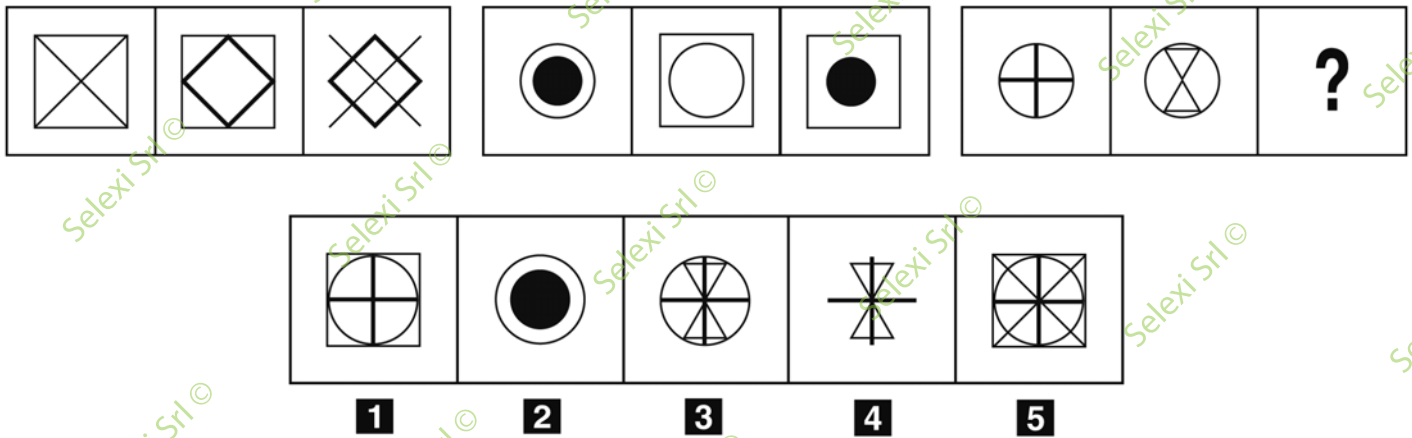
618 Answer the following question concerning IMAGE SU 60
Determine which figure correctly completes the series.

- A) Figure 1
- B) Figure 3
- C) Figure 4
- D) Figure 2
- E) Figure 5

IMAGE SU 61

619 Answer the following question concerning IMAGE SU 61
Find the missing figure.

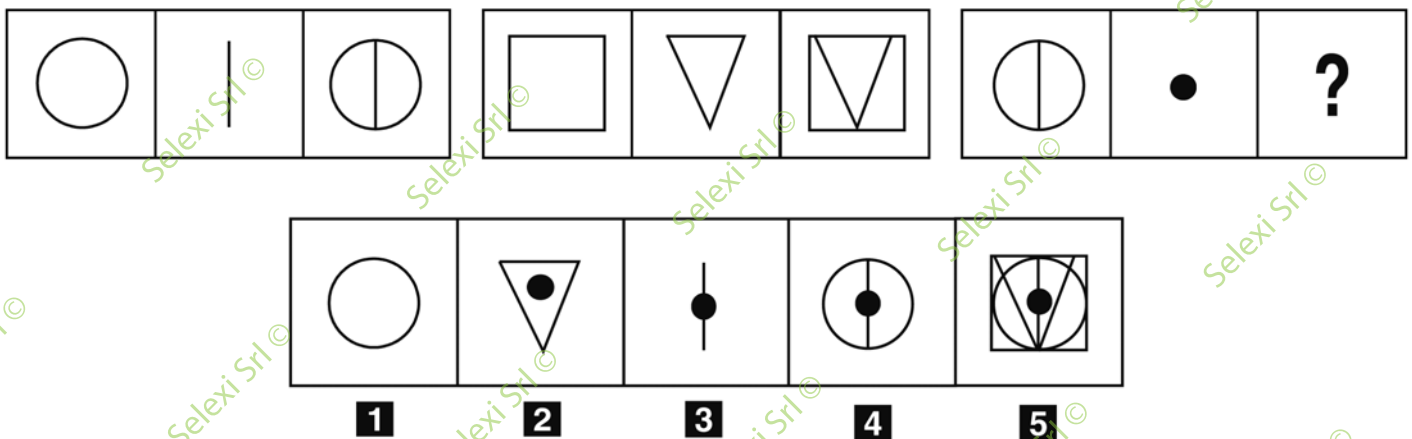
- A) Figure 1
- B) Figure 2
- C) Figure 3
- D) Figure 4
- E) Figure 5

IMAGE SU 65

620 Answer the following question concerning IMAGE SU 65

Find the figure that completes the series.

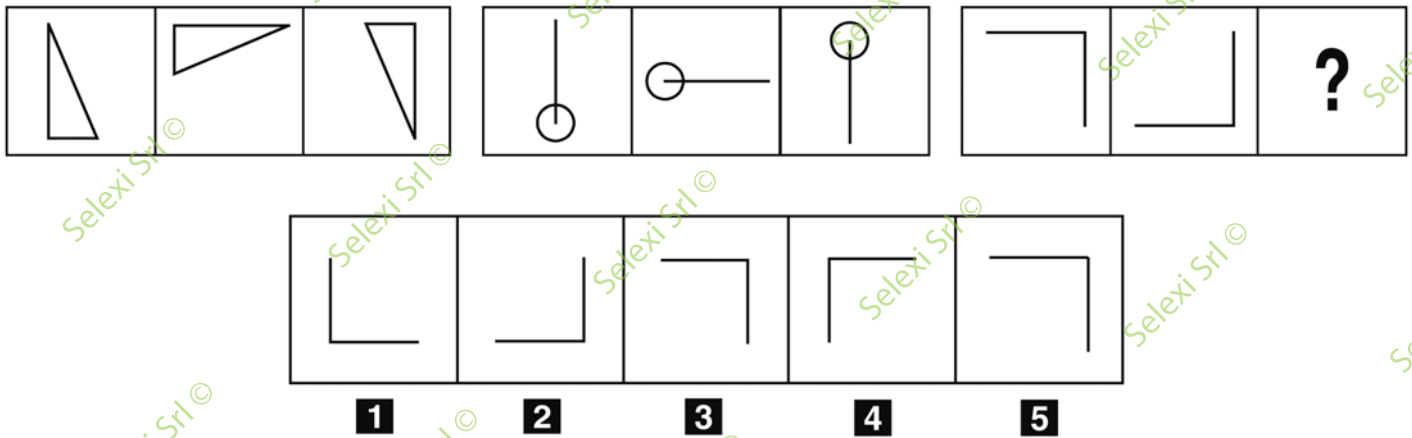
- A) Figure 3
- B) Figure 4
- C) Figure 1
- D) Figure 2
- E) Figure 5

IMAGE SU 67

621 Answer the following question concerning IMAGE SU 67

Find the figure that correctly completes the series.

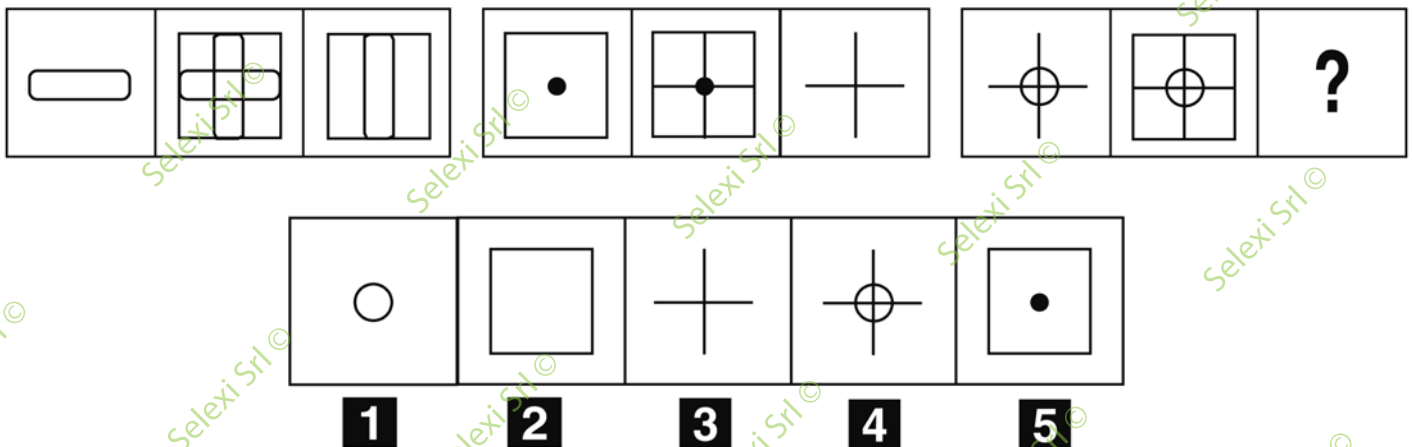
- A) Figure 5
- B) Figure 2
- C) Figure 4
- D) Figure 3
- E) Figure 1

IMAGE SU 68

622 Answer the following question concerning IMAGE SU 68

Find the figure that correctly completes the series.

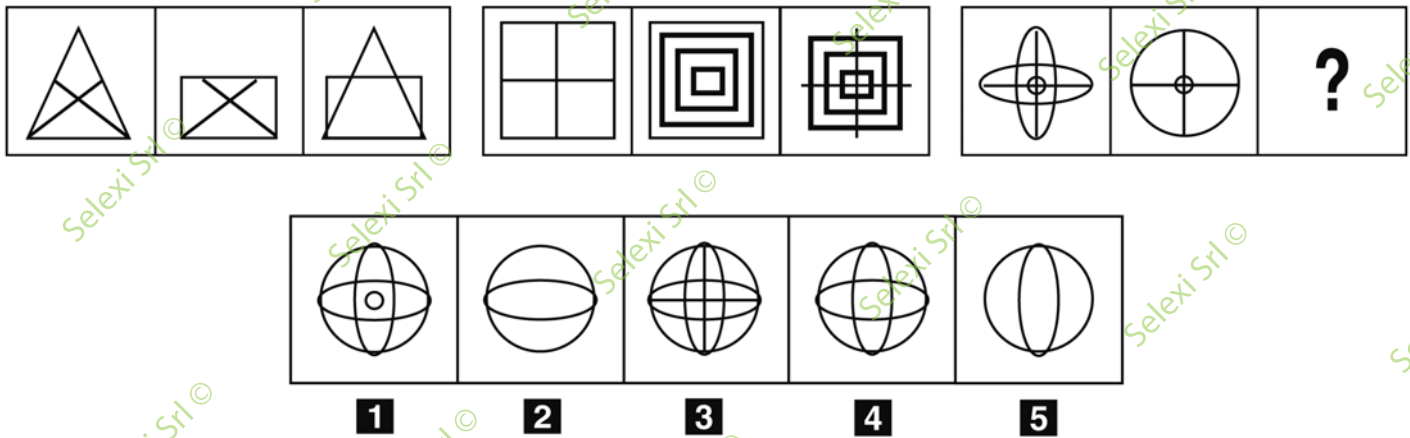
- A) Figure 2
- B) Figure 1
- C) Figure 3
- D) Figure 4
- E) Figure 5

IMAGE SU 69

623 Answer the following question concerning IMAGE SU 69

Find the figure that completes the series.

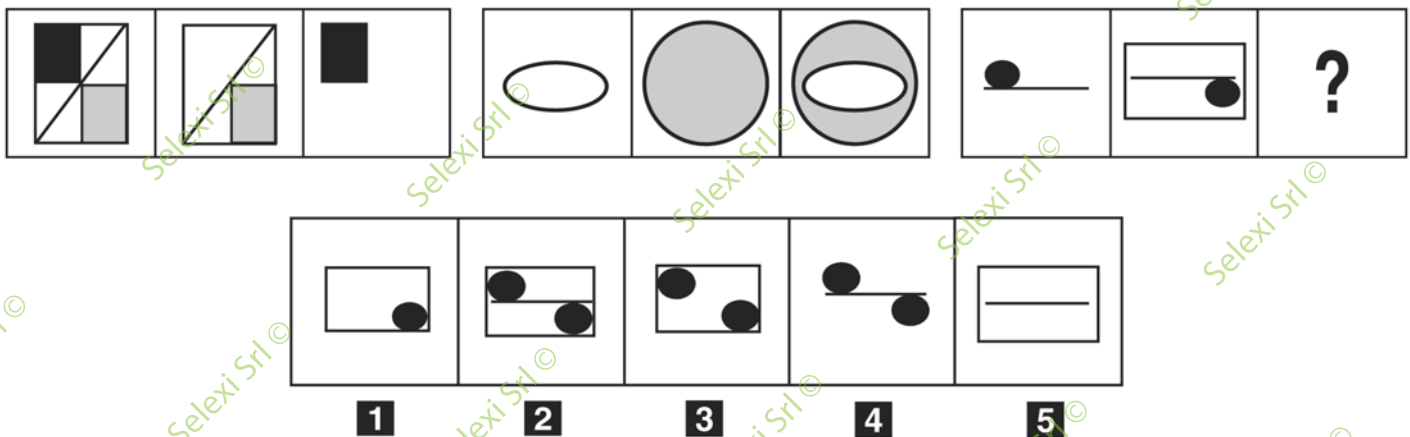
- A) Figure 3
- B) Figure 1
- C) Figure 4
- D) Figure 5
- E) Figure 2

IMAGE SU 71

624 Answer the following question concerning IMAGE SU 71

Find the figure that completes the series.

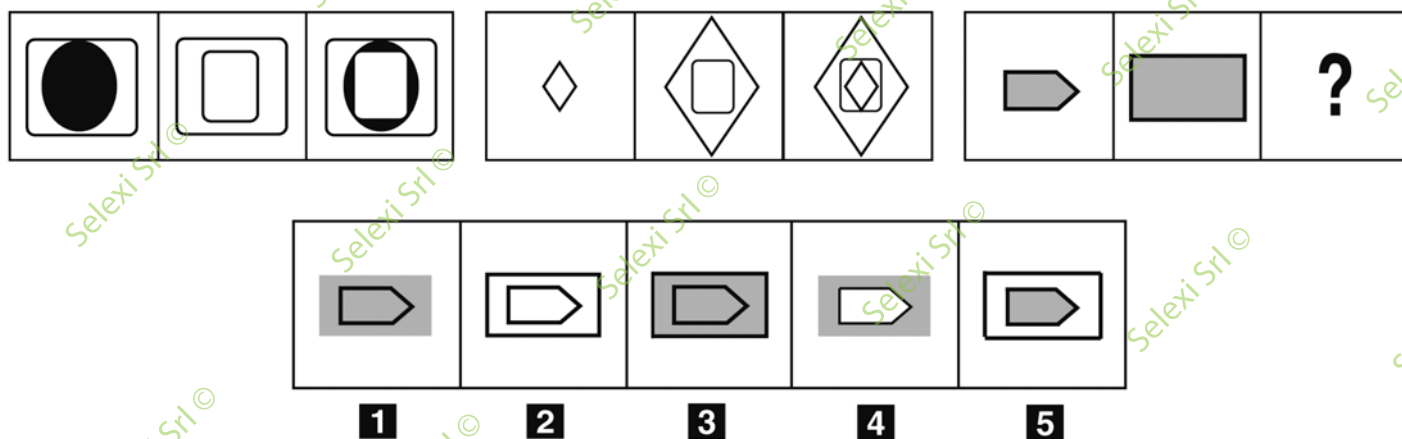
- A) Figure 2
- B) Figure 3
- C) Figure 1
- D) Figure 4
- E) Figure 5

IMAGE SU 72

625 Answer the following question concerning IMAGE SU 72

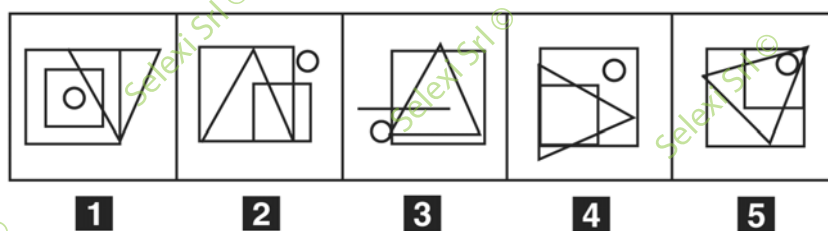
Find the figure that completes the series.

- A) Figure 1
- B) Figure 2
- C) Figure 3
- D) Figure 4
- E) Figure 5

IMAGE SU 73

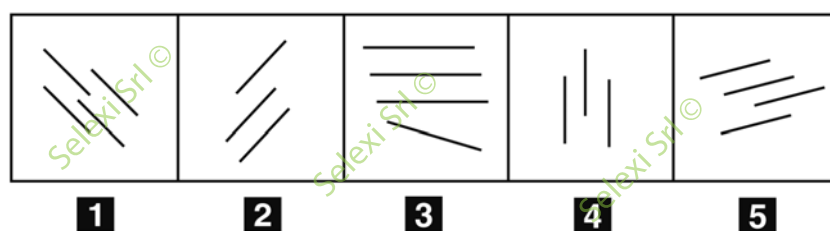
626 Answer the following question concerning IMAGE SU 73
Find the figure that completes the series.

- A) Figure 5
- B) Figure 2
- C) Figure 1
- D) Figure 4
- E) Figure 3

IMAGE SU 75

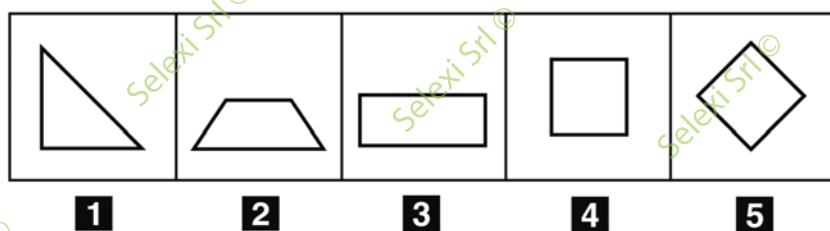
627 Answer the following question concerning IMAGE SU 75
Find the figure that does NOT fit in.

- A) Figure 5
- B) Figure 2
- C) Figure 1
- D) Figure 3
- E) Figure 4

IMAGE SU 76

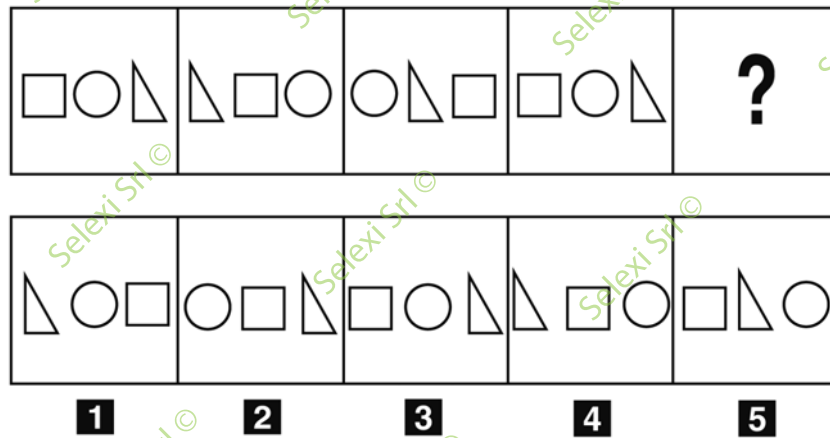
628 Answer the following question concerning IMAGE SU 76
Find the figure that does NOT fit in.

- A) Figure 3
- B) Figure 4
- C) Figure 5
- D) Figure 2
- E) Figure 1

IMAGE SU 77

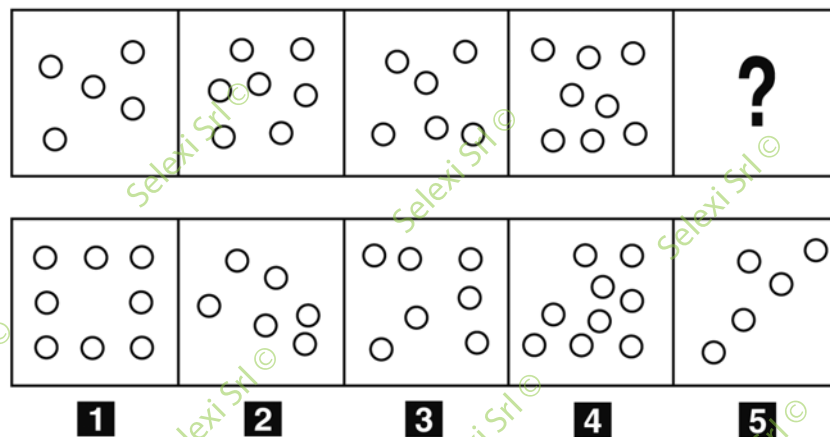
629 Answer the following question concerning IMAGE SU 77
Find the figure that does NOT fit in.

- A) Figure 4
- B) Figure 2
- C) Figure 3
- D) Figure 1
- E) Figure 5

IMAGE SU 79

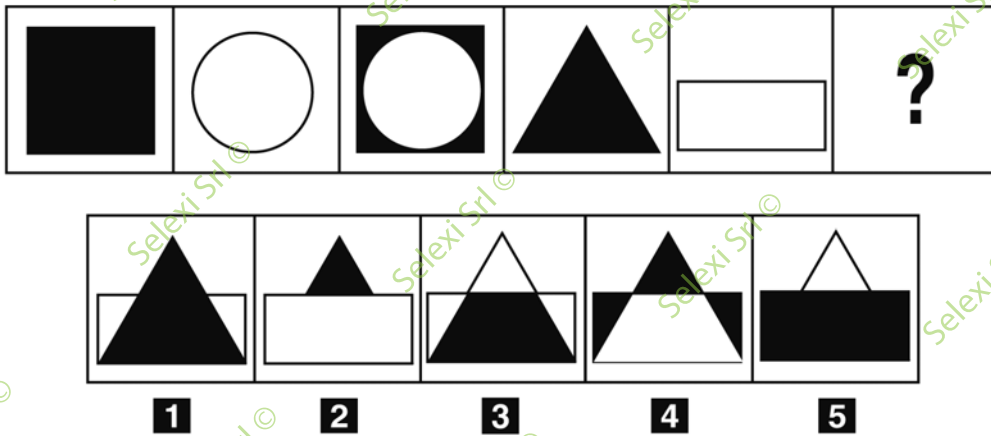
630 Answer the following question concerning IMAGE SU 79
Find the figure that correctly completes the series.

- A) Figure 3
- B) Figure 4
- C) Figure 2
- D) Figure 5
- E) Figure 1

IMAGE SU 80

631 Answer the following question concerning IMAGE SU 80
Find the figure that completes the series.

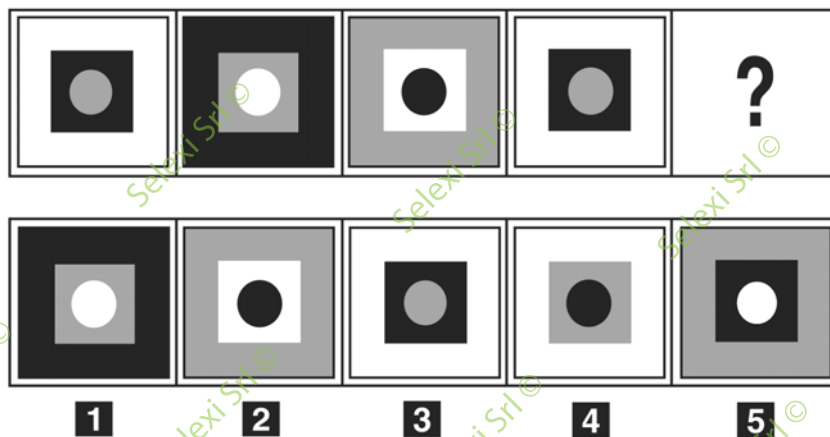
- A) Figure 3
- B) Figure 2
- C) Figure 1
- D) Figure 4
- E) Figure 5

IMAGE SU 81

632 Answer the following question concerning IMAGE SU 81

Find the figure that completes the series.

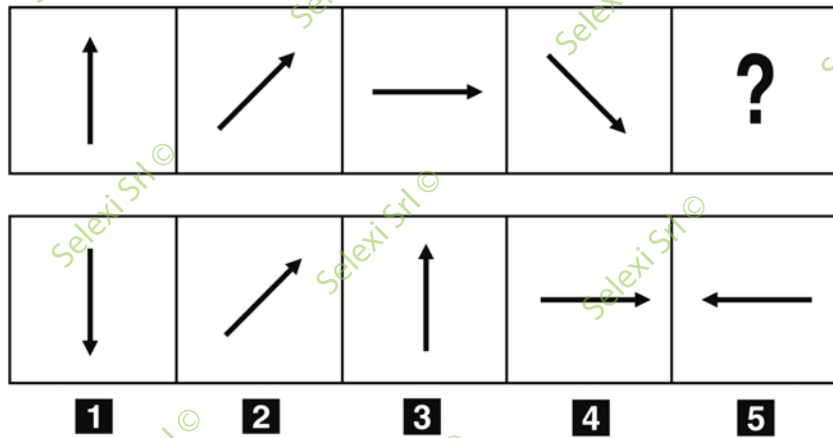
- A) Figure 3
- B) Figure 1
- C) Figure 2
- D) Figure 4
- E) Figure 5

IMAGE SU 82

633 Answer the following question concerning IMAGE SU 82

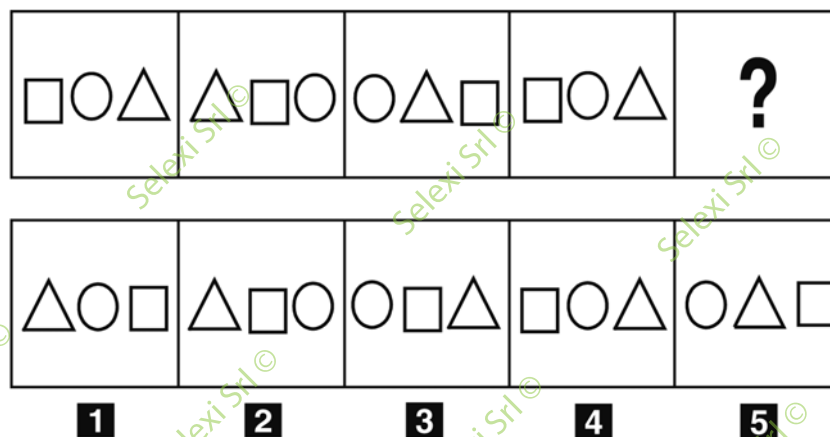
Which of the figures proposed correctly completes the series?

- A) Figure 5
- B) Figure 1
- C) Figure 4
- D) Figure 3
- E) Figure 2

IMAGE SU 83

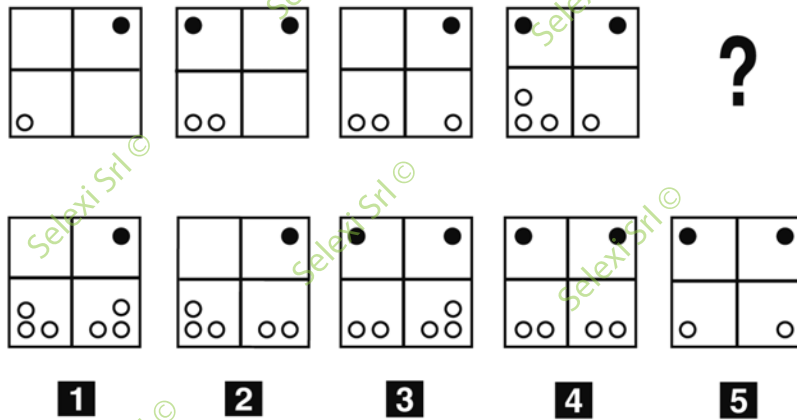
634 Answer the following question concerning IMAGE SU 83
Find the figure that correctly completes the series.

- A) Figure 3
- B) Figure 1
- C) Figure 2
- D) Figure 4
- E) Figure 5

IMAGE SU 84

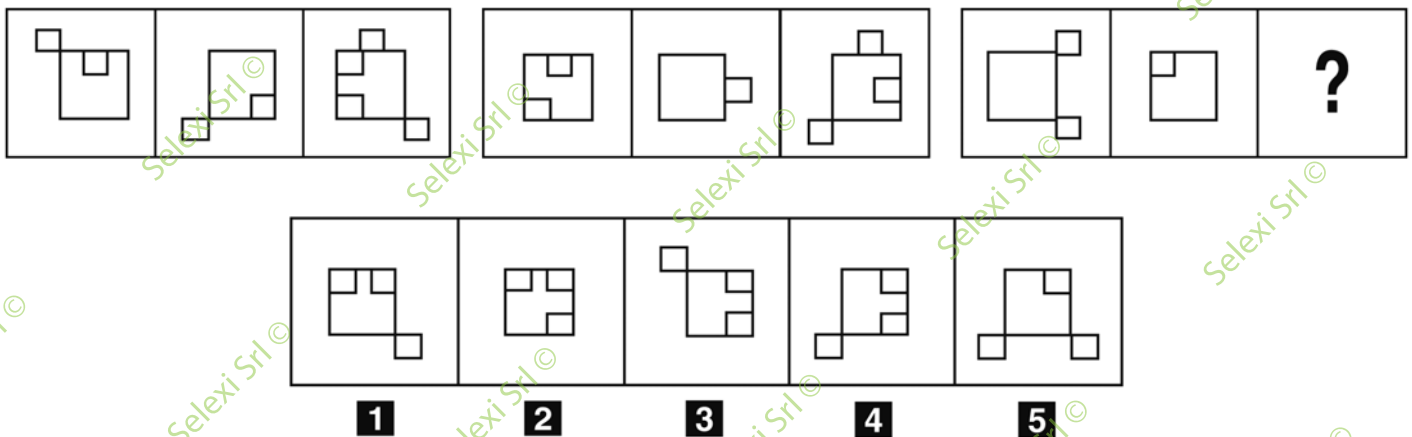
635 Answer the following question concerning IMAGE SU 84
Find the figure that completes the series.

- A) Figure 4
- B) Figure 1
- C) Figure 2
- D) Figure 3
- E) Figure 5

IMAGE SU 86

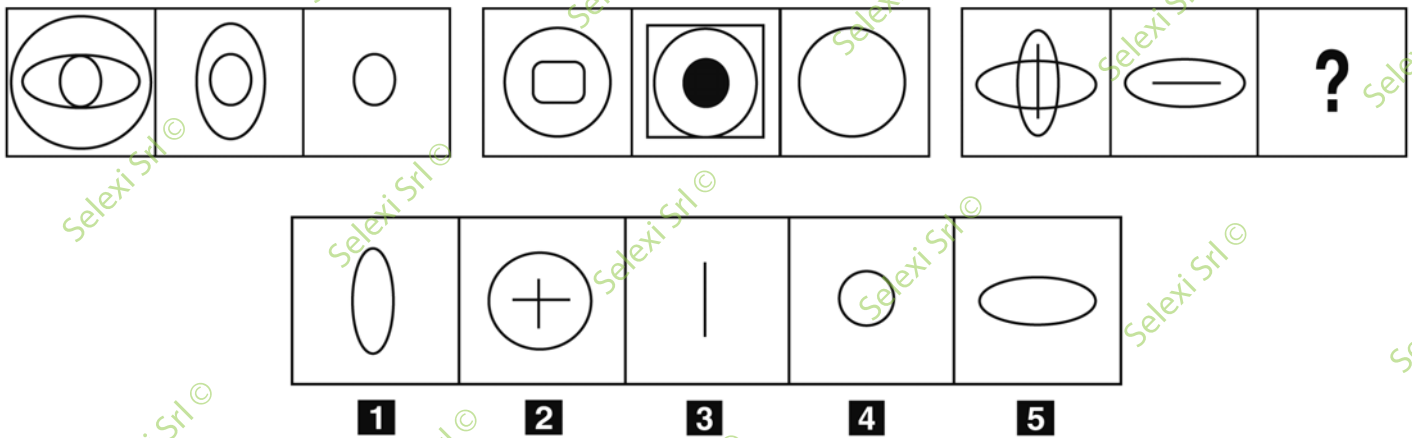
636 Answer the following question concerning IMAGE SU 86
Find the figure that correctly completes the series.

- A) Figure 5
- B) Figure 4
- C) Figure 3
- D) Figure 1
- E) Figure 2

IMAGE SU 88

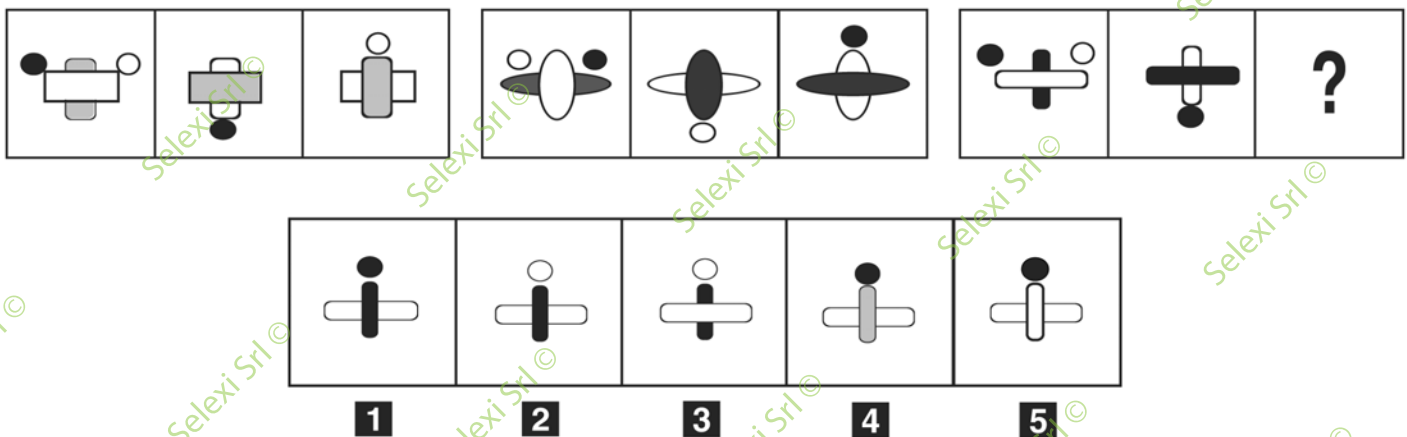
637 Answer the following question concerning IMAGE SU 88
Find the missing figure.

- A) Figure 4
- B) Figure 3
- C) Figure 2
- D) Figure 5
- E) Figure 1

IMAGE SU 91

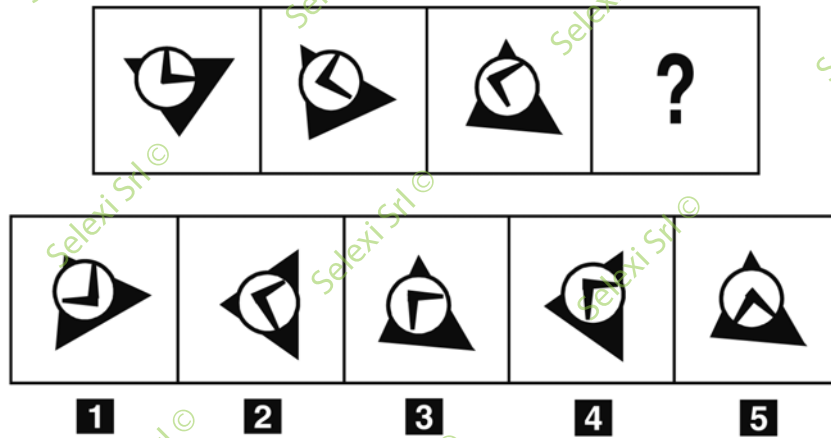
638 Answer the following question concerning IMAGE SU 91
Find the figure that correctly completes the series.

- A) Figure 1
- B) Figure 3
- C) Figure 5
- D) Figure 4
- E) Figure 2

IMAGE SU 92

639 Answer the following question concerning IMAGE SU 92
Find the figure that completes the series.

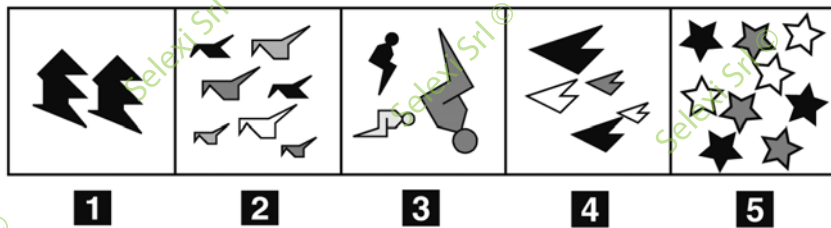
- A) Figure 1
- B) Figure 3
- C) Figure 5
- D) Figure 4
- E) Figure 2

IMAGE SU 96

640 Answer the following question concerning IMAGE SU 96

Find the figure that correctly completes the series.

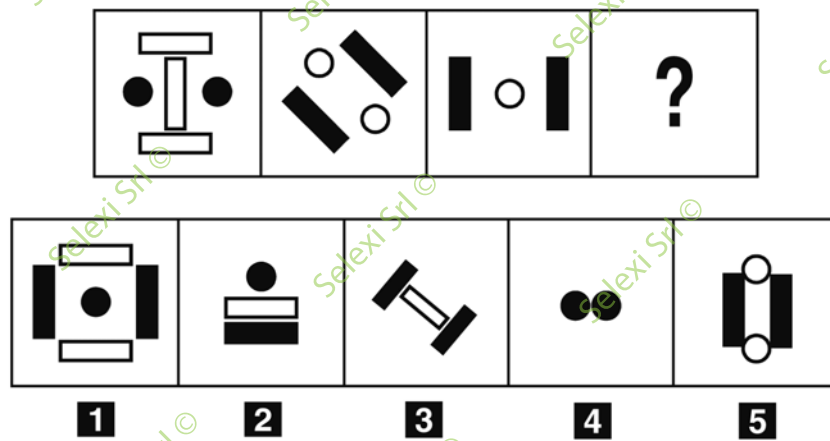
- A) Figure 3
- B) Figure 4
- C) Figure 2
- D) Figure 1
- E) Figure 5

IMAGE SU 97

641 Answer the following question concerning IMAGE SU 97

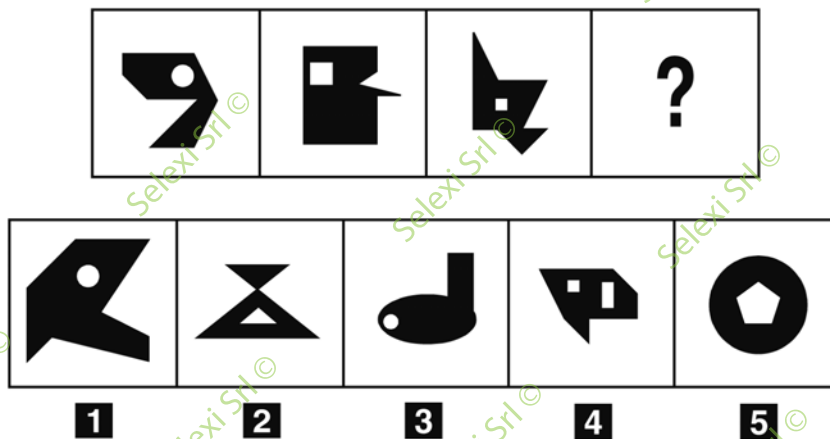
Find the figure that does NOT fit in.

- A) Figure 4
- B) Figure 1
- C) Figure 3
- D) Figure 2
- E) Figure 5

IMAGE SU 98

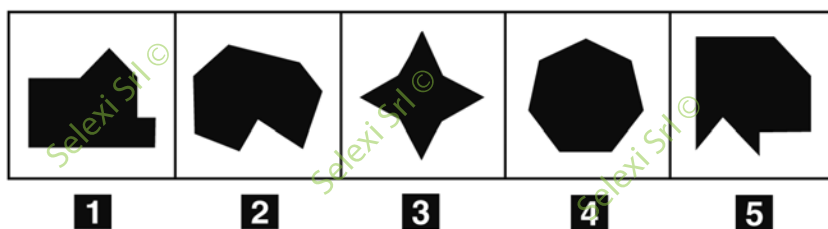
642 Answer the following question concerning IMAGE SU 98
Choose the alternative that does NOT fit in the group.

- A) Figure 1
- B) Figure 2
- C) Figure 3
- D) Figure 4
- E) Figure 5

IMAGE SU 99

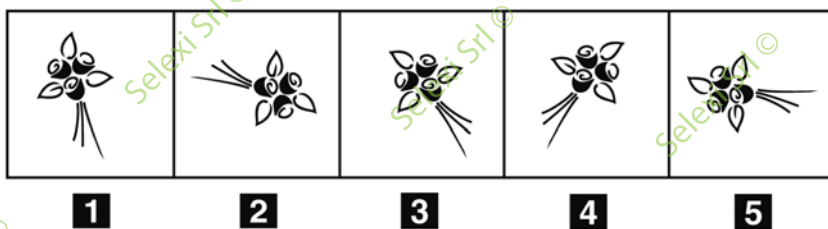
643 Answer the following question concerning IMAGE SU 99
Find the figure that does NOT fit in.

- A) Figure 2
- B) Figure 1
- C) Figure 3
- D) Figure 4
- E) Figure 5

IMAGE SV 00

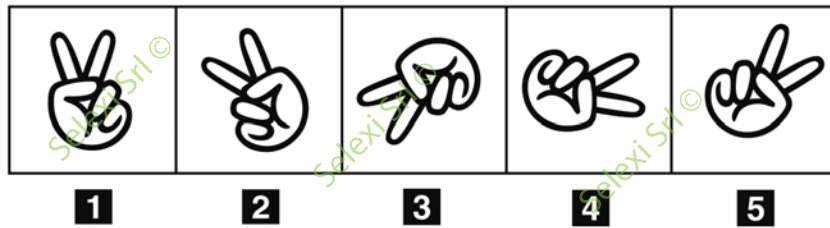
644 Answer the following question concerning IMAGE SV 00
Find the figure that does NOT fit with the others.

- A) Figure 3
- B) Figure 1
- C) Figure 5
- D) Figure 2
- E) Figure 4

IMAGE SV 01

645 Answer the following question concerning IMAGE SV 01
Find the figure that does NOT fit in the series.

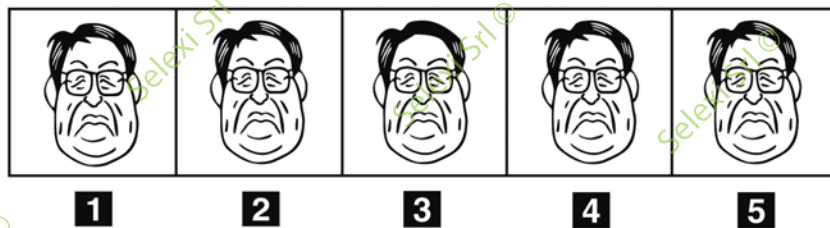
- A) Figure 5
- B) Figure 2
- C) Figure 1
- D) Figure 3
- E) Figure 4

IMAGE SV 02

646 Answer the following question concerning IMAGE SV 02

Find the figure that does NOT fit in.

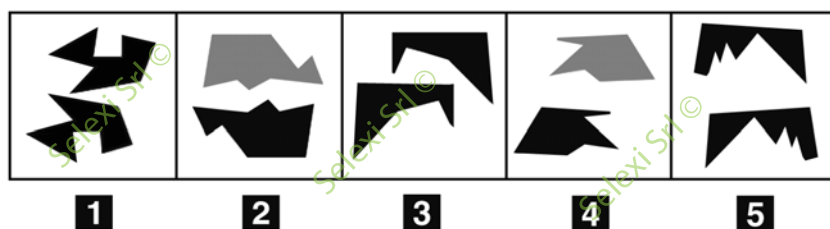
- A) Figure 4
- B) Figure 2
- C) Figure 3
- D) Figure 1
- E) Figure 5

IMAGE SV 03

647 Answer the following question concerning IMAGE SV 03

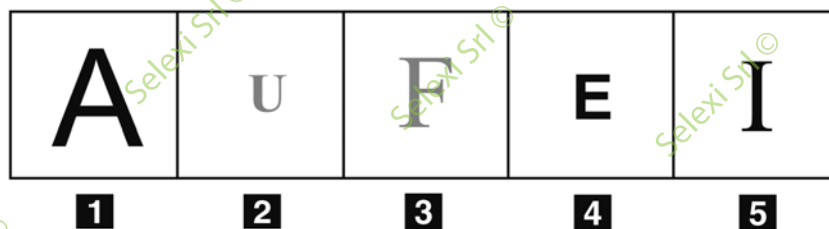
Find the figure that does NOT fit in.

- A) Figure 1
- B) Figure 4
- C) Figure 2
- D) Figure 3
- E) Figure 5

IMAGE SV 04

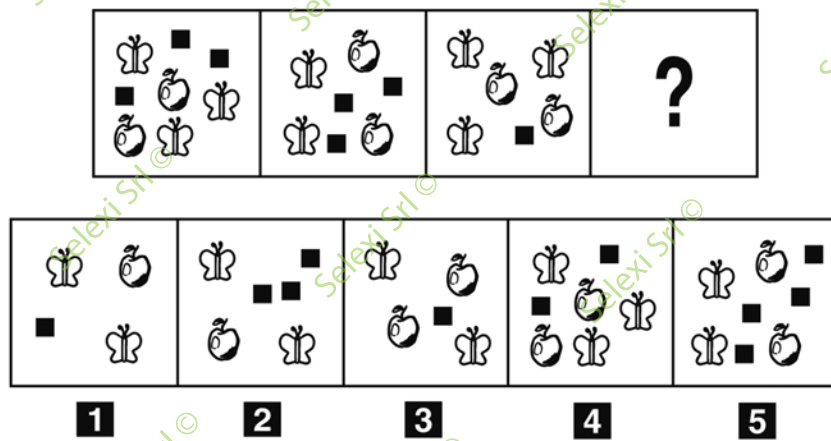
648 Answer the following question concerning IMAGE SV 04
Find the figure that does NOT fit in.

- A) Figure 5
- B) Figure 3
- C) Figure 2
- D) Figure 4
- E) Figure 1

IMAGE SV 05

649 Answer the following question concerning IMAGE SV 05
Find the figure that does NOT fit with the others.

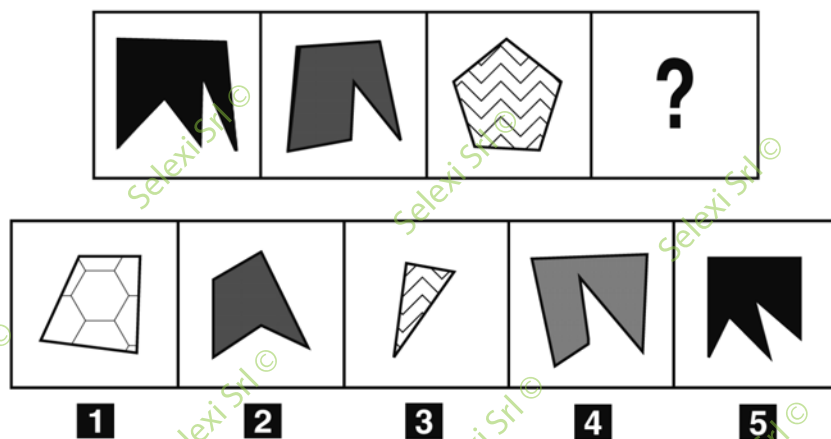
- A) Figure 4
- B) Figure 3
- C) Figure 1
- D) Figure 5
- E) Figure 2

IMAGE SV 08

650 Answer the following question concerning IMAGE SV 08

Find the figure that completes the series.

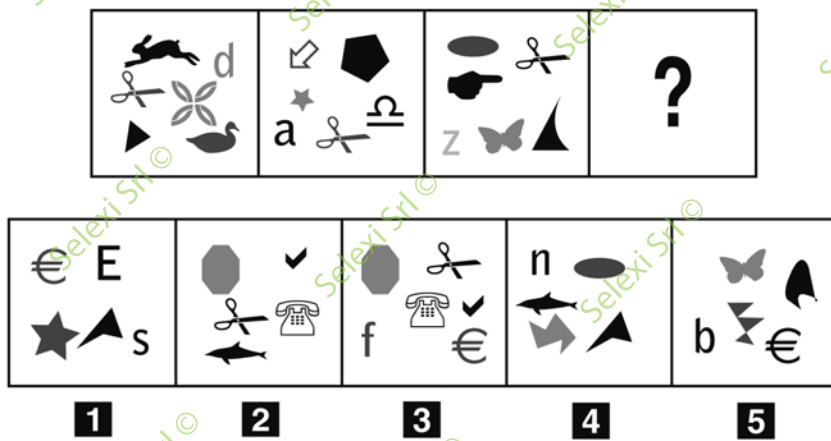
- A) Figure 4
- B) Figure 2
- C) Figure 1
- D) Figure 3
- E) Figure 5

IMAGE SV 09

651 Answer the following question concerning IMAGE SV 09

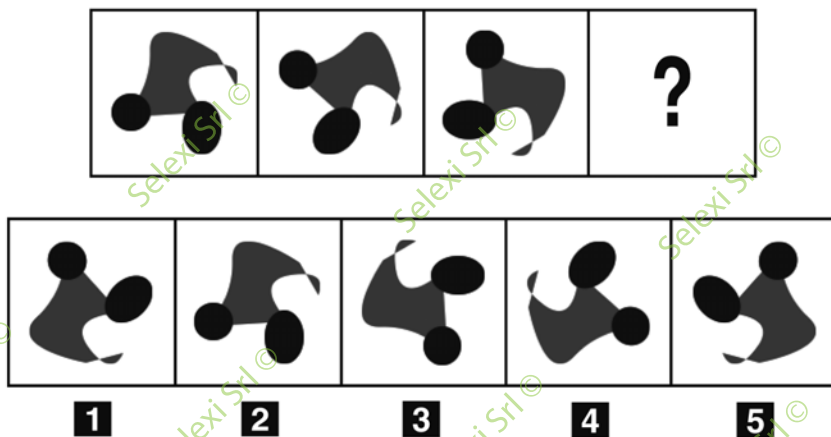
Find the figure that completes the series.

- A) Figure 3
- B) Figure 5
- C) Figure 4
- D) Figure 2
- E) Figure 1

IMAGE SV 10

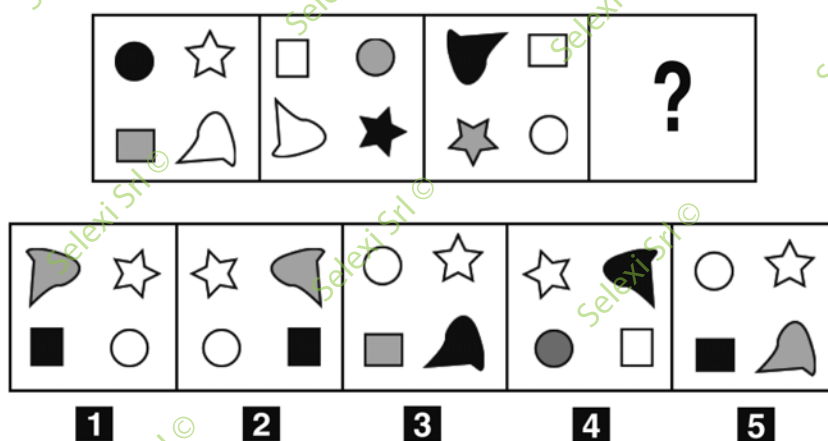
652 Answer the following question concerning IMAGE SV 10
Determine which figure correctly completes the series.

- A) Figure 4
- B) Figure 1
- C) Figure 5
- D) Figure 2
- E) Figure 3

IMAGE SV 11

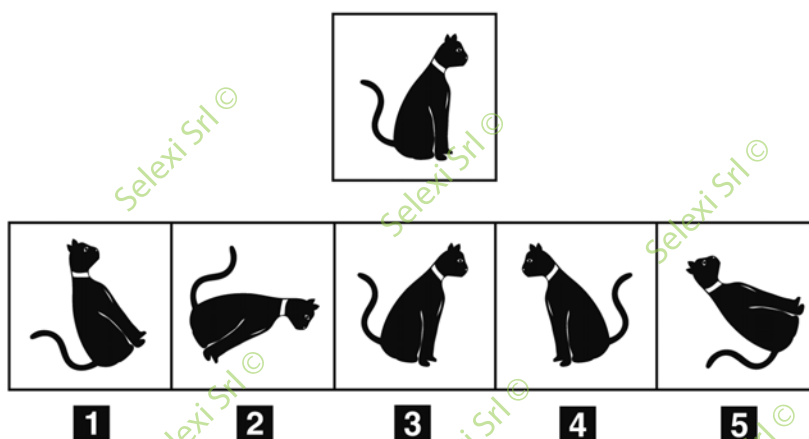
653 Answer the following question concerning IMAGE SV 11
Find the figure that correctly completes the series.

- A) Figure 4
- B) Figure 3
- C) Figure 5
- D) Figure 1
- E) Figure 2

IMAGE SV 12

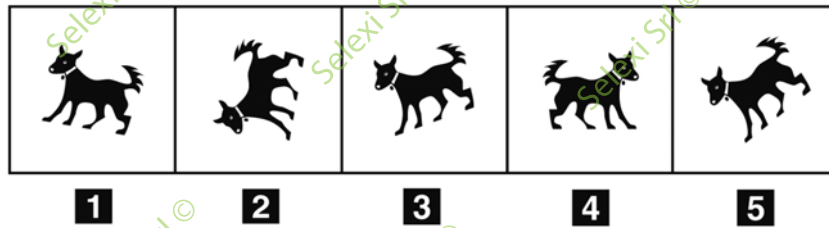
654 Answer the following question concerning IMAGE SV 12
Find the figure that correctly completes the series.

- A) Figure 3
- B) Figure 5
- C) Figure 2
- D) Figure 4
- E) Figure 1

IMAGE SV 16

655 Answer the following question concerning IMAGE SV 16
Which of the figures below corresponds to the given figure after a 350° counter-clockwise rotation?

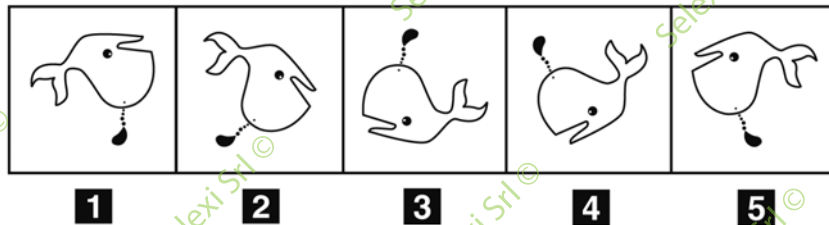
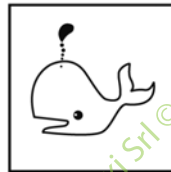
- A) Figure 4
- B) Figure 1
- C) Figure 2
- D) Figure 3
- E) Figure 5

IMAGE SV 17

656 Answer the following question concerning IMAGE SV 17

Which of the figures below corresponds to the given figure after a 350° counter-clockwise rotation?

- A) Figure 3
- B) Figure 1
- C) Figure 2
- D) Figure 4
- E) Figure 5

IMAGE SV 18

657 Answer the following question concerning IMAGE SV 18

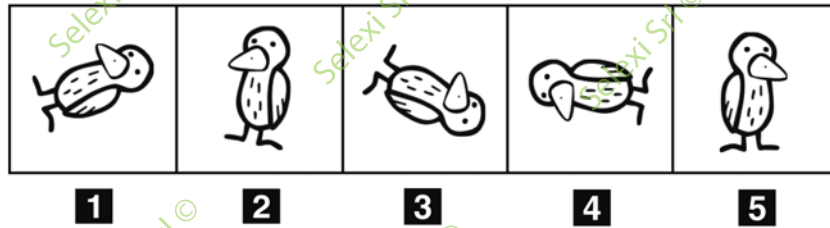
Which of the figures below corresponds to the given figure after a 350° counter-clockwise rotation?

- A) Figure 4
- B) Figure 1
- C) Figure 5
- D) Figure 2
- E) Figure 3

658 Answer the following question concerning IMAGE SV 18

What figure corresponds to the given figure after a 350° anticlockwise rotation?

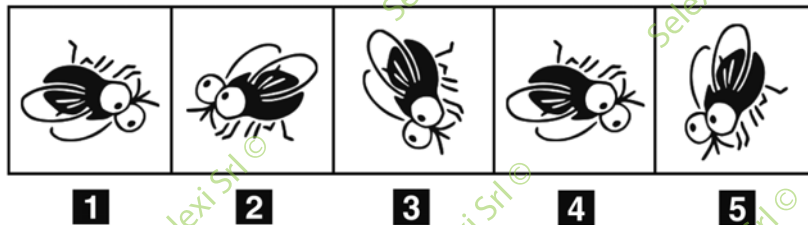
- A) Figure 4
- B) Figure 5
- C) Figure 3
- D) Figure 2
- E) Figure 1

IMAGE SV 19

659 Answer the following question concerning IMAGE SV 19

Which of the figures below corresponds to the given figure after a 350° anticlockwise rotation?

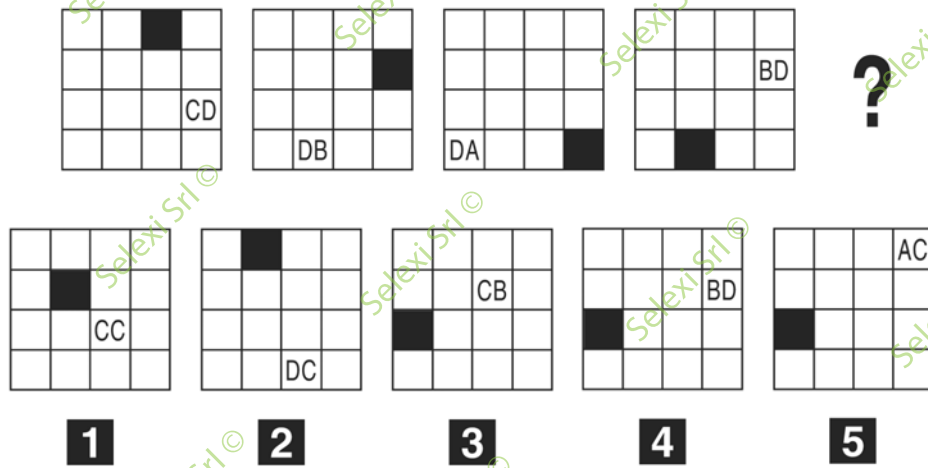
- A) Figure 5
- B) Figure 4
- C) Figure 1
- D) Figure 2
- E) Figure 3

IMAGE SV 20

660 Answer the following question concerning IMAGE SV 20

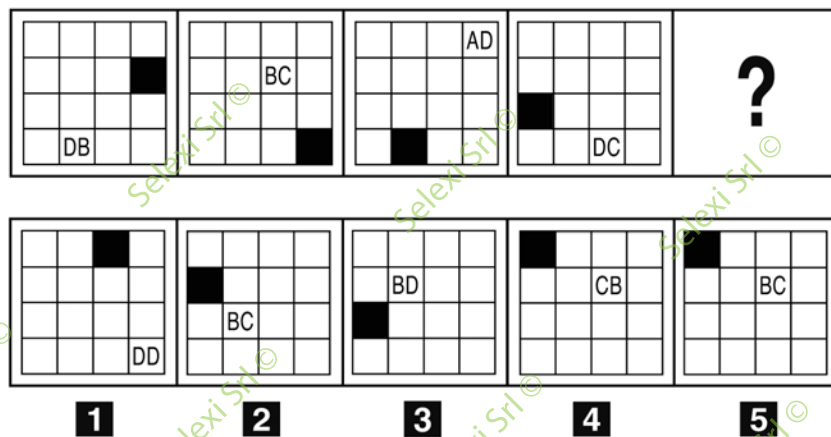
Which of the figures below corresponds to the given figure after a 90° counter-clockwise rotation?

- A) Figure 1
- B) Figure 2
- C) Figure 4
- D) Figure 3
- E) Figure 5

IMAGE SV 25

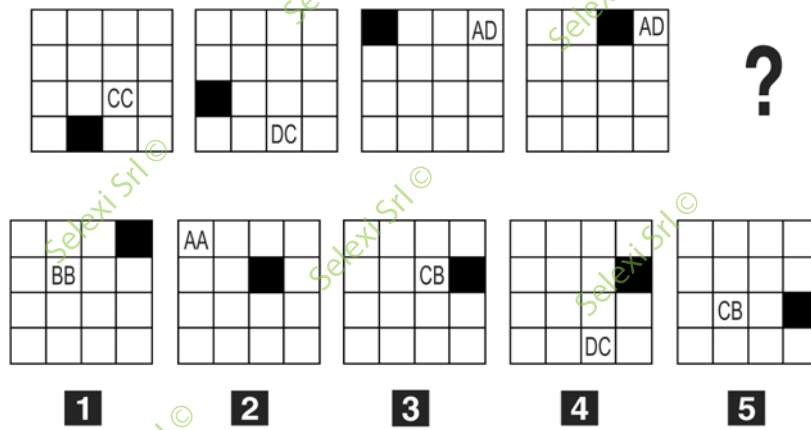
661 Answer the following question concerning IMAGE SV 25
Find the figure that completes the series.

- A) Figure 1
- B) Figure 2
- C) Figure 3
- D) Figure 5
- E) Figure 4

IMAGE SV 26

662 Answer the following question concerning IMAGE SV 26
Determine which figure correctly completes the series.

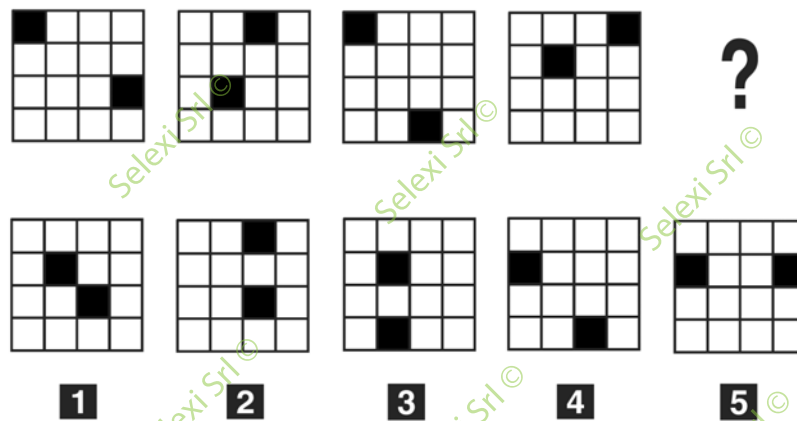
- A) Figure 4
- B) Figure 1
- C) Figure 3
- D) Figure 2
- E) Figure 5

IMAGE SV 28

663 Answer the following question concerning IMAGE SV 28

Find the figure that completes the series.

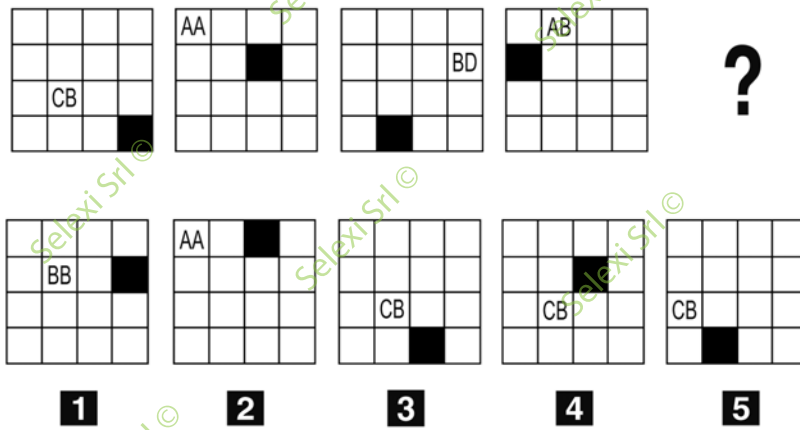
- A) Figure 4
- B) Figure 1
- C) Figure 3
- D) Figure 5
- E) Figure 2

IMAGE SV 30

664 Answer the following question concerning IMAGE SV 30

Find the figure that completes the series.

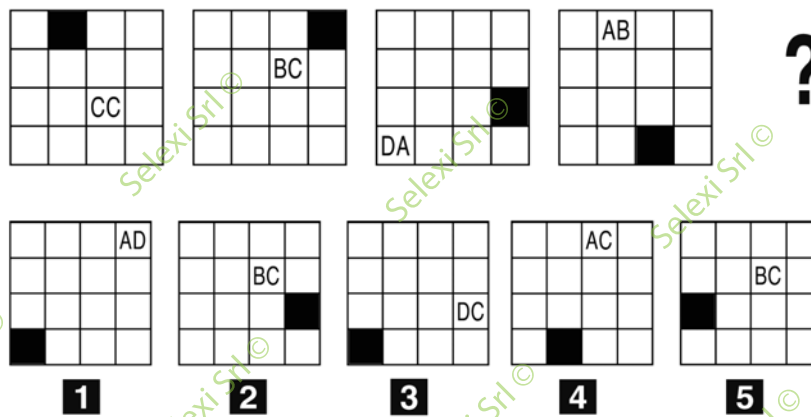
- A) Figure 2
- B) Figure 5
- C) Figure 3
- D) Figure 4
- E) Figure 1

IMAGE SV 31

665 Answer the following question concerning IMAGE SV 31

Find the figure that completes the series.

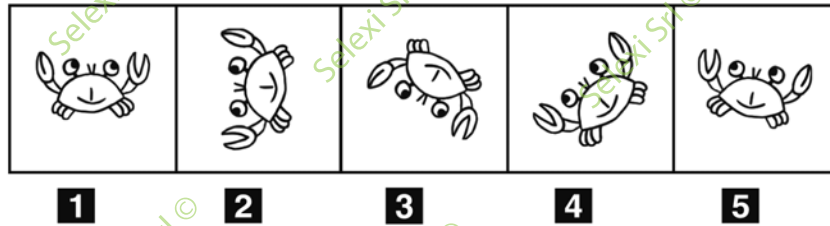
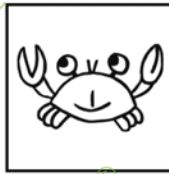
- A) Figure 3
- B) Figure 1
- C) Figure 2
- D) Figure 5
- E) Figure 4

IMAGE SV 32

666 Answer the following question concerning IMAGE SV 32

Find the figure that correctly completes the series.

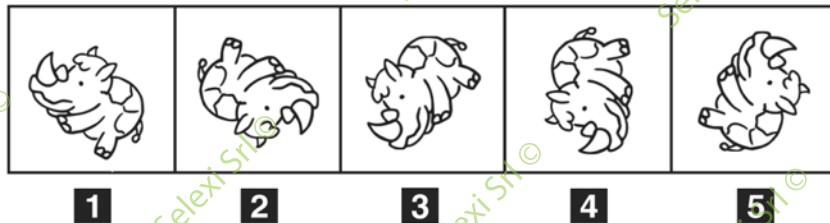
- A) Figure 3
- B) Figure 2
- C) Figure 4
- D) Figure 1
- E) Figure 5

IMAGE SV 33

667 Answer the following question concerning IMAGE SV 33

Which of the figures below corresponds to the given figure after a 350° counter-clockwise rotation?

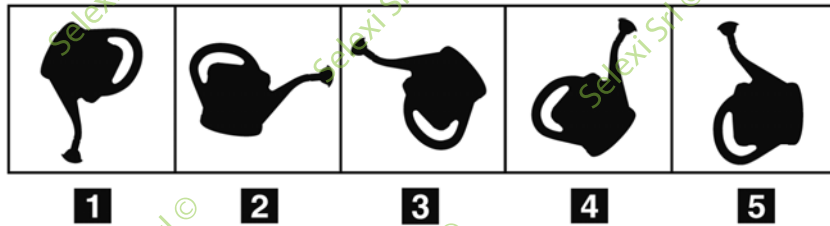
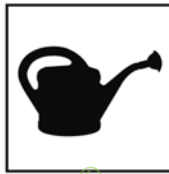
- A) Figure 5
- B) Figure 2
- C) Figure 3
- D) Figure 1
- E) Figure 4

IMAGE SV 34

668 Answer the following question concerning IMAGE SV 34

Which of the figures below corresponds to the given figure after a 320° counter-clockwise rotation?

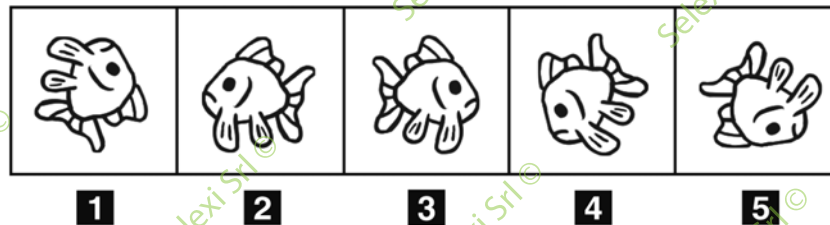
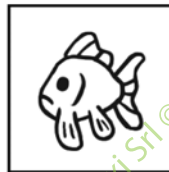
- A) Figure 2
- B) Figure 3
- C) Figure 5
- D) Figure 4
- E) Figure 1

IMAGE SV 35

669 Answer the following question concerning IMAGE SV 35

Which of the figures below corresponds to the given figure after a 130° counter-clockwise rotation?

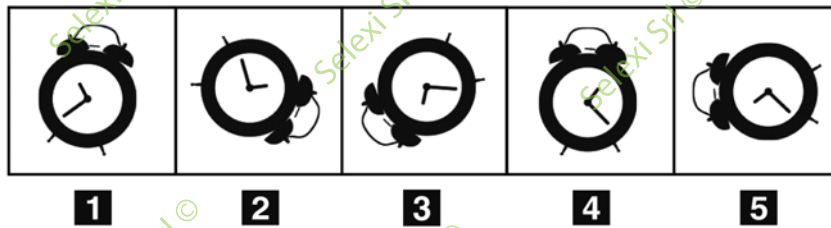
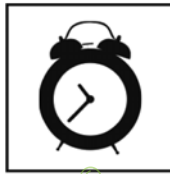
- A) Figure 2
- B) Figure 1
- C) Figure 5
- D) Figure 4
- E) Figure 3

IMAGE SV 36

670 Answer the following question concerning IMAGE SV 36

Which of the figures below corresponds to the given figure after a 130° counter-clockwise rotation?

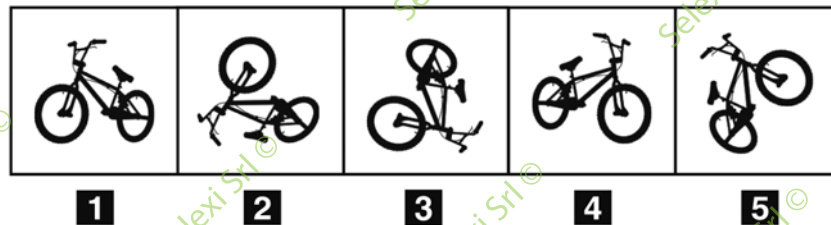
- A) Figure 3
- B) Figure 2
- C) Figure 5
- D) Figure 1
- E) Figure 4

IMAGE SV 37

671 Answer the following question concerning IMAGE SV 37

Which of the figures below corresponds to the given figure after a 130° counter-clockwise rotation?

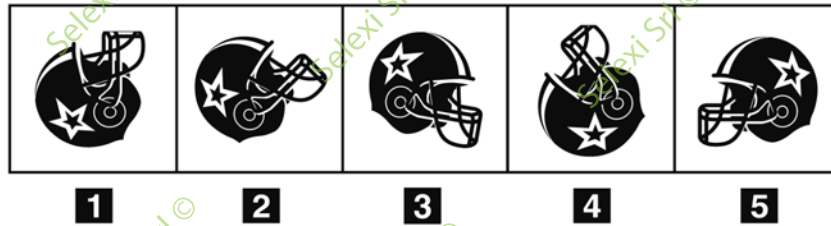
- A) Figure 1
- B) Figure 2
- C) Figure 3
- D) Figure 4
- E) Figure 5

IMAGE SV 38

672 Answer the following question concerning IMAGE SV 38

Which of the figures below corresponds to the given figure after a 130° counter-clockwise rotation?

- A) Figure 1
- B) Figure 3
- C) Figure 5
- D) Figure 2
- E) Figure 4

IMAGE SV 39

673 Answer the following question concerning IMAGE SV 39

Which of the figures below corresponds to the given figure after a 130° counter-clockwise rotation?

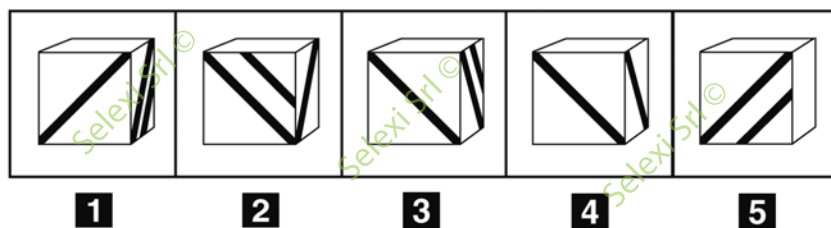
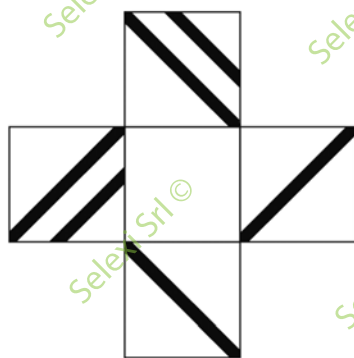
- A) Figure 4
- B) Figure 3
- C) Figure 1
- D) Figure 5
- E) Figure 2

IMAGE SV 42

674 Answer the following question concerning IMAGE SV 42

Which of the figures below corresponds to the given figure after a 300° counter-clockwise rotation?

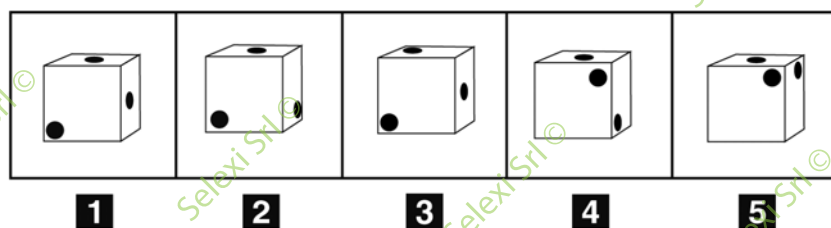
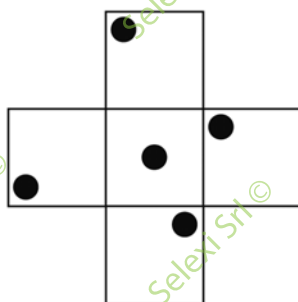
- A) Figure 3
- B) Figure 4
- C) Figure 1
- D) Figure 5
- E) Figure 2

IMAGE SV 48

675 Answer the following question concerning IMAGE SV 48

Which cube can be obtained from the given figure?

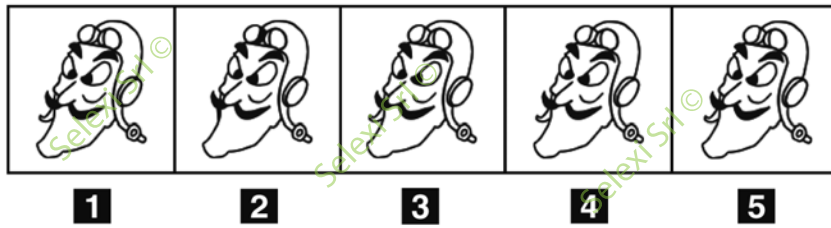
- A) Figure 3
- B) Figure 1
- C) Figure 2
- D) Figure 5
- E) Figure 4

IMAGE SV 49

676 Answer the following question concerning IMAGE SV 49

Which of the following cubes can be obtained from the given figure?

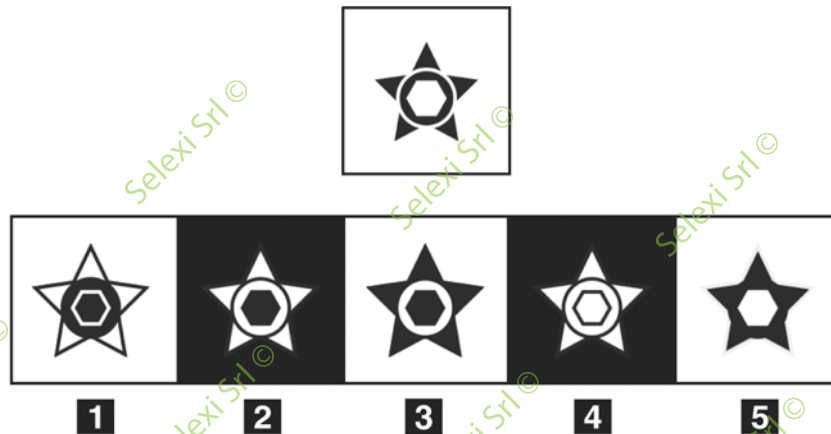
- A) Figure 4
- B) Figure 2
- C) Figure 3
- D) Figure 5
- E) Figure 1

IMAGE SV 50

677 Answer the following question concerning IMAGE SV 50

Find the figure that does NOT fit in.

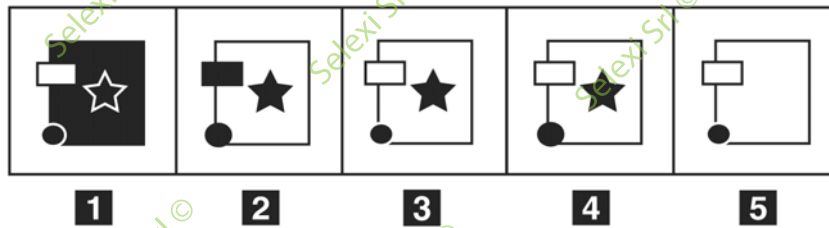
- A) Figure 5
- B) Figure 1
- C) Figure 2
- D) Figure 4
- E) Figure 3

IMAGE SV 51

678 Answer the following question concerning IMAGE SV 51

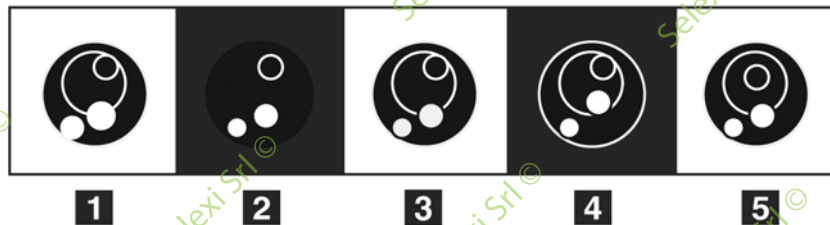
Find the negative version of the given figure.

- A) Figure 5
- B) Figure 1
- C) Figure 3
- D) Figure 4
- E) Figure 2

IMAGE SV 52

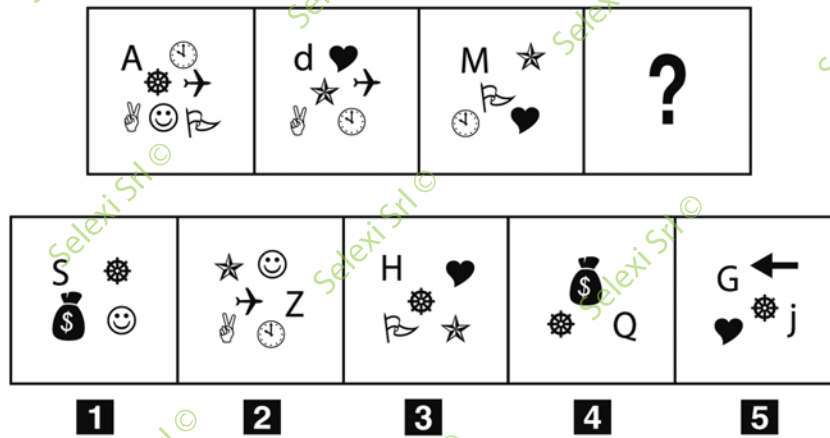
679 Answer the following question concerning IMAGE SV 52
Find the negative version of the given figure.

- A) Figure 5
- B) Figure 2
- C) Figure 4
- D) Figure 3
- E) Figure 1

IMAGE SV 53

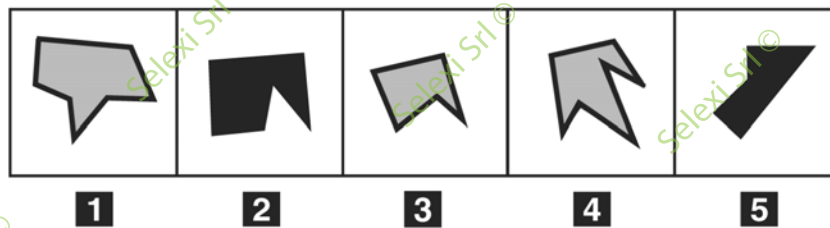
680 Answer the following question concerning IMAGE SV 53
Find the negative version of the given figure.

- A) Figure 4
- B) Figure 1
- C) Figure 2
- D) Figure 5
- E) Figure 3

IMAGE SV 54

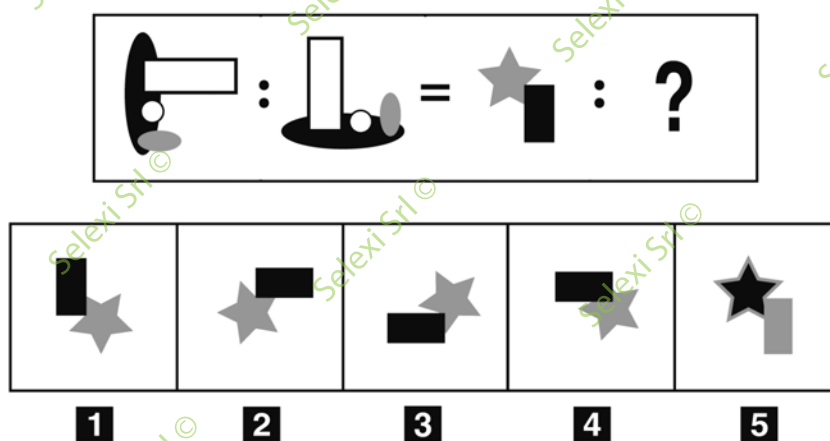
681 Answer the following question concerning IMAGE SV 54
Find the figure that completes the series.

- A) Figure 2
- B) Figure 1
- C) Figure 3
- D) Figure 5
- E) Figure 4

IMAGE SV 56

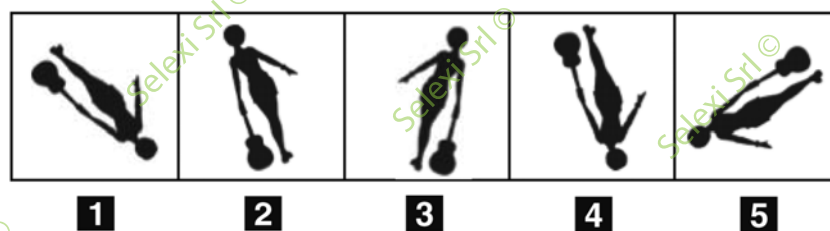
682 Answer the following question concerning IMAGE SV 56
Which figure does NOT fit in the series?

- A) Figure 5
- B) Figure 4
- C) Figure 2
- D) Figure 3
- E) Figure 1

IMAGE SV 59

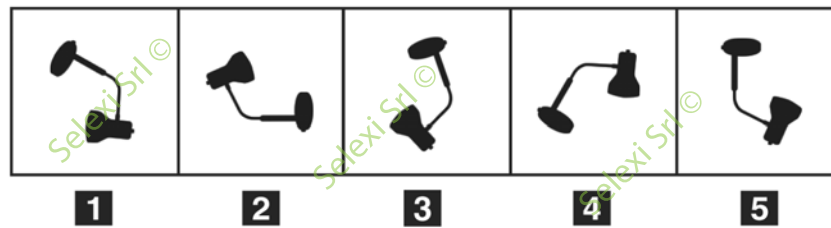
683 Answer the following question concerning IMAGE SV 59
Find the figure that completes the series.

- A) Figure 2
- B) Figure 1
- C) Figure 3
- D) Figure 4
- E) Figure 5

IMAGE SV 61

684 Answer the following question concerning IMAGE SV 61
Find the figure that does NOT fit in.

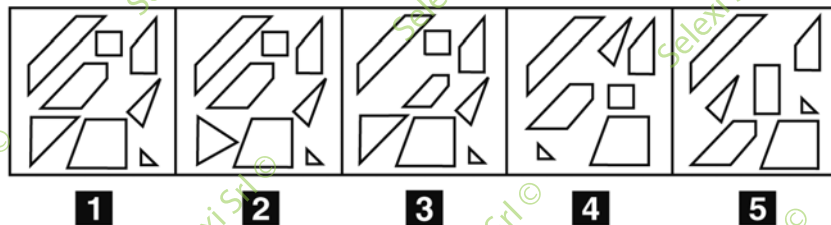
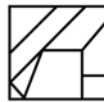
- A) Figure 2
- B) Figure 3
- C) Figure 1
- D) Figure 4
- E) Figure 5

IMAGE SV 62

685 Answer the following question concerning IMAGE SV 62

Find the figure that does NOT fit in.

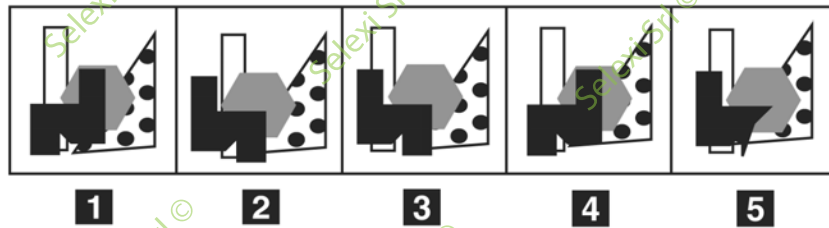
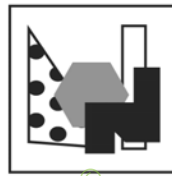
- A) Figure 1
- B) Figure 3
- C) Figure 5
- D) Figure 2
- E) Figure 4

IMAGE SV 63

686 Answer the following question concerning IMAGE SV 63

Which of the figures below contains all the elements of the given figure?

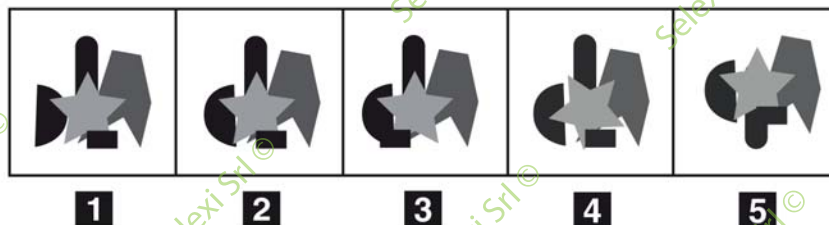
- A) Figure 3
- B) Figure 5
- C) Figure 2
- D) Figure 1
- E) Figure 4

IMAGE SV 64

687 Answer the following question concerning IMAGE SV 64

Which of the figures below corresponds to the mirror image of the given figure?

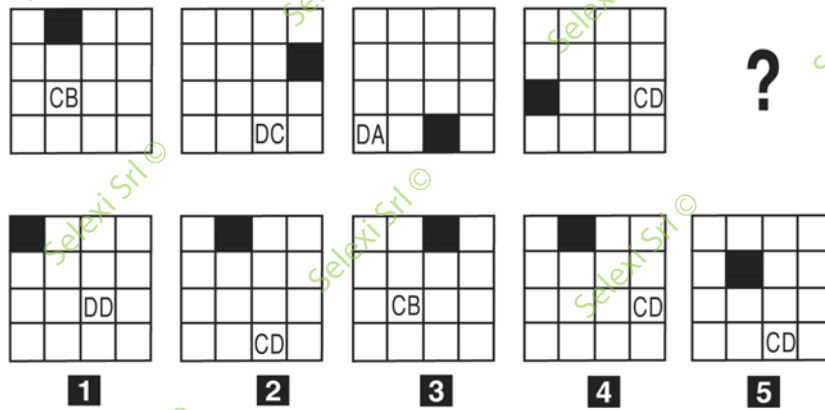
- A) Figure 1
- B) Figure 2
- C) Figure 3
- D) Figure 4
- E) Figure 5

IMAGE SV 65

688 Answer the following question concerning IMAGE SV 65

Which of the figures below corresponds to the mirror image of the given figure?

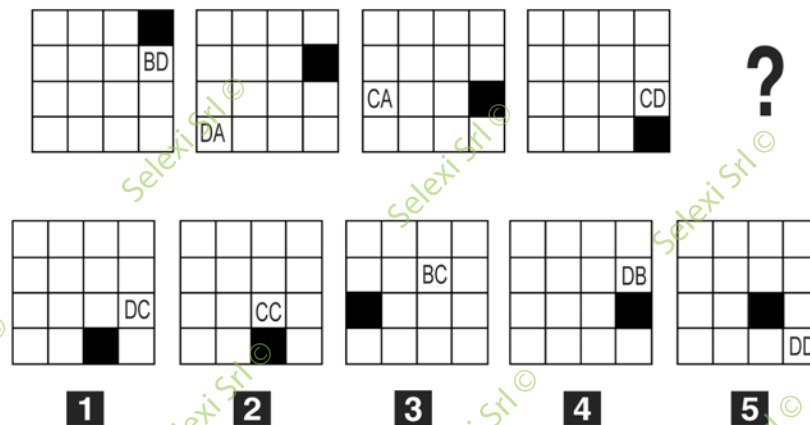
- A) Figure 5
- B) Figure 4
- C) Figure 1
- D) Figure 3
- E) Figure 2

IMAGE SV 82

689 Answer the following question concerning IMAGE SV 82

Find the figure that completes the series.

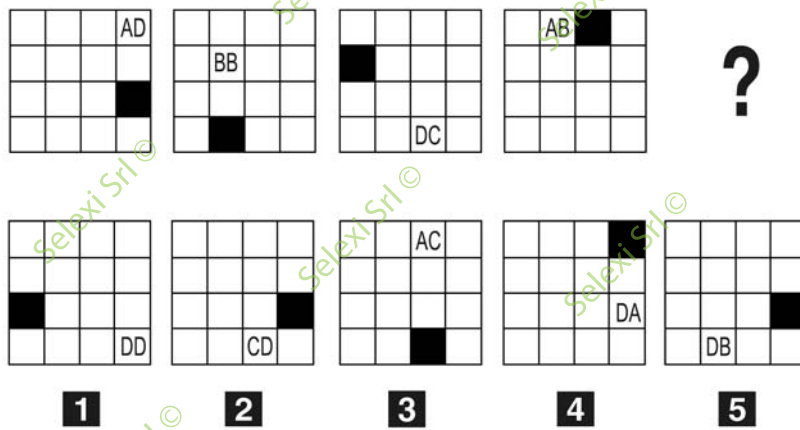
- A) Figure 5
- B) Figure 3
- C) Figure 1
- D) Figure 2
- E) Figure 4

IMAGE SV 83

690 Answer the following question concerning IMAGE SV 83

Find the figure that completes the series.

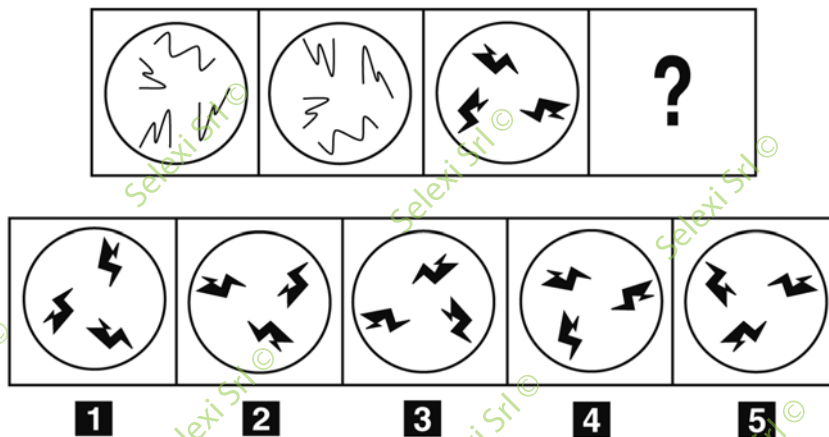
- A) Figure 5
- B) Figure 3
- C) Figure 1
- D) Figure 2
- E) Figure 4

IMAGE SV 87

691 Answer the following question concerning **IMAGE SV 87**

Find the figure that completes the series.

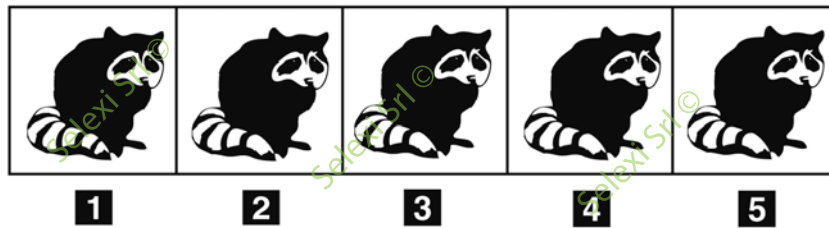
- A) Figure 3
- B) Figure 5
- C) Figure 1
- D) Figure 2
- E) Figure 4

IMAGE SV 93

692 Answer the following question concerning **IMAGE SV 93**

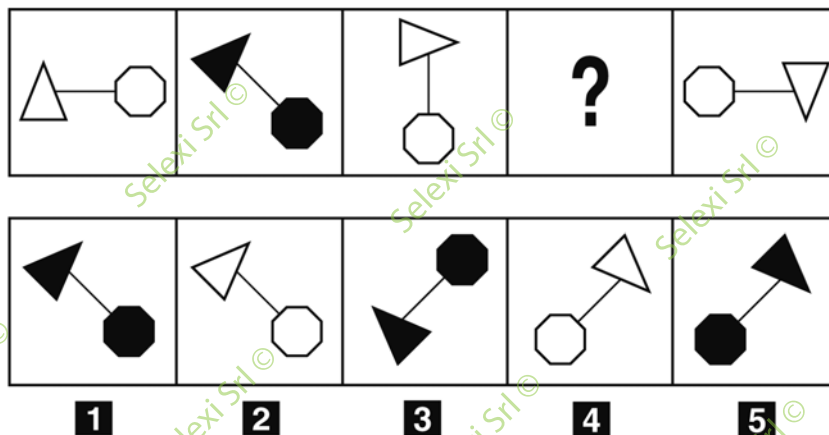
Find the figure that completes the series.

- A) Figure 3
- B) Figure 4
- C) Figure 5
- D) Figure 1
- E) Figure 2

IMAGE SV 94

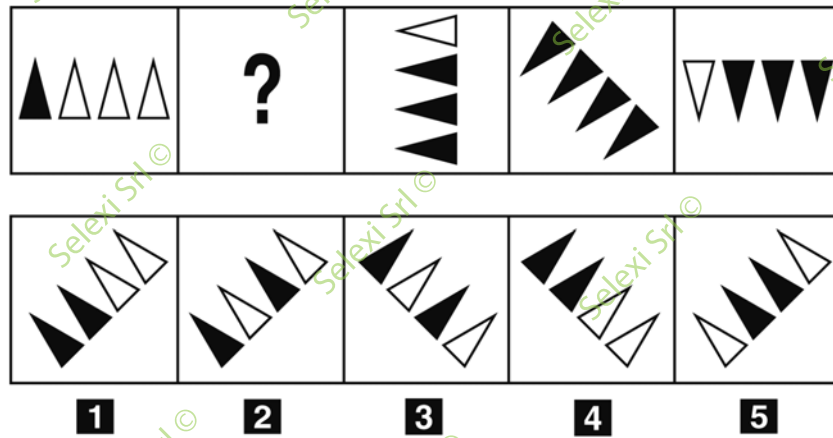
693 Answer the following question concerning IMAGE SV 94
Which of the following figures does NOT fit in the series?

- A) Figure 4
- B) Figure 2
- C) Figure 1
- D) Figure 5
- E) Figure 3

IMAGE SV 99

694 Answer the following question concerning IMAGE SV 99
Find the alternative that completes the series.

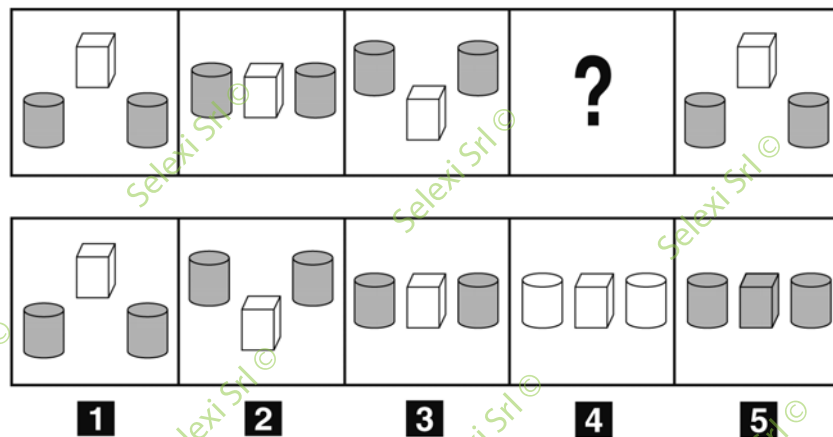
- A) Figure 1
- B) Figure 2
- C) Figure 5
- D) Figure 4
- E) Figure 3

IMAGE SX 00

695 Answer the following question concerning IMAGE SX 00

Find the figure that correctly completes the series.

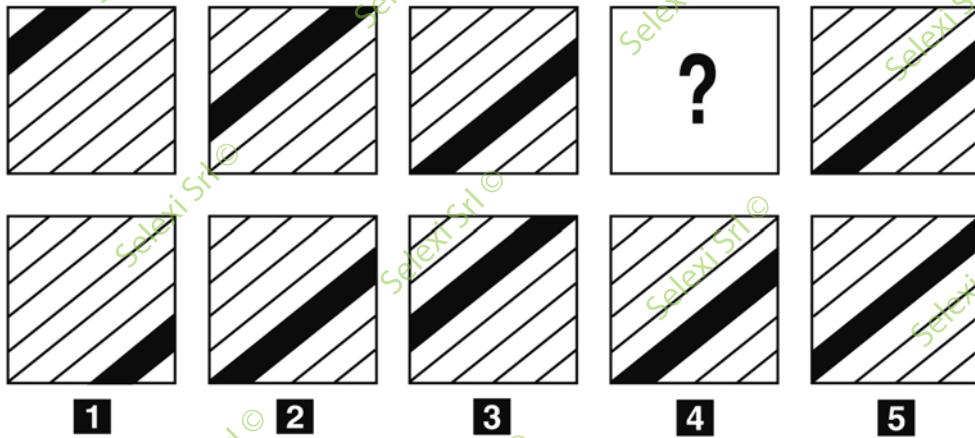
- A) Figure 2
- B) Figure 1
- C) Figure 3
- D) Figure 4
- E) Figure 5

IMAGE SX 01

696 Answer the following question concerning IMAGE SX 01

Find the figure that completes the series.

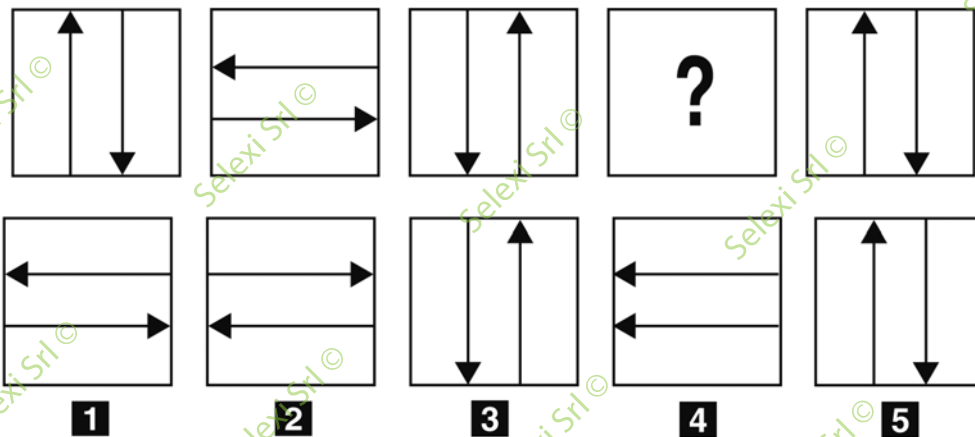
- A) Figure 1
- B) Figure 2
- C) Figure 3
- D) Figure 4
- E) Figure 5

IMAGE SX 02

697 Answer the following question concerning **IMAGE SX 02**

Find the figure that completes the series.

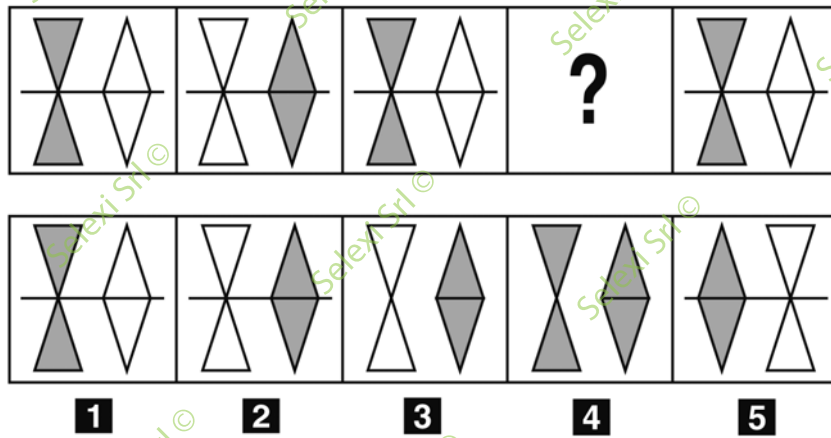
- A) Figure 3
- B) Figure 2
- C) Figure 5
- D) Figure 1
- E) Figure 4

IMAGE SX 04

698 Answer the following question concerning **IMAGE SX 04**

Choose the figure that correctly completes the given series.

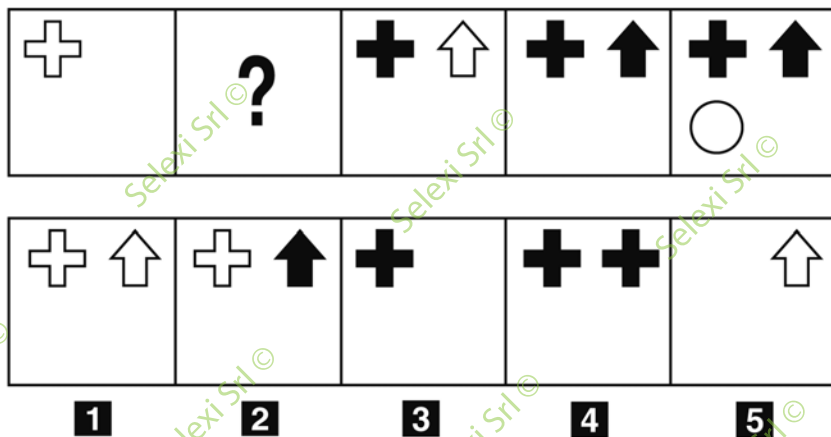
- A) Figure 4
- B) Figure 3
- C) Figure 1
- D) Figure 2
- E) Figure 5

IMAGE SX 05

699 Answer the following question concerning IMAGE SX 05

Find the figure that completes the series.

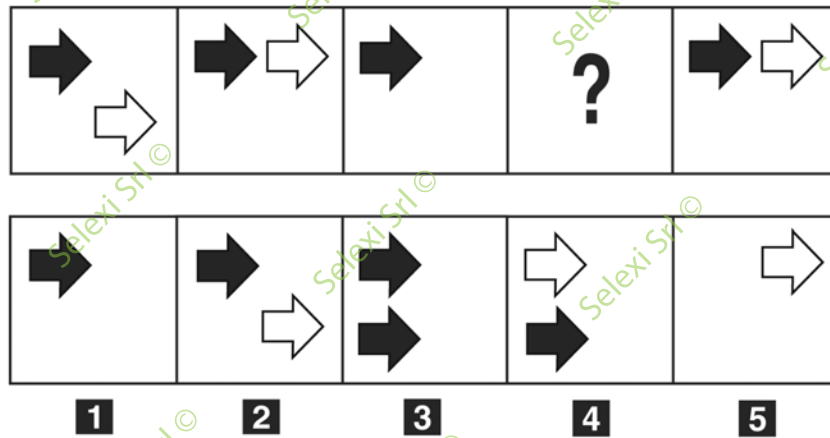
- A) Figure 5
- B) Figure 2
- C) Figure 4
- D) Figure 1
- E) Figure 3

IMAGE SX 06

700 Answer the following question concerning IMAGE SX 06

Find the figure that completes the series.

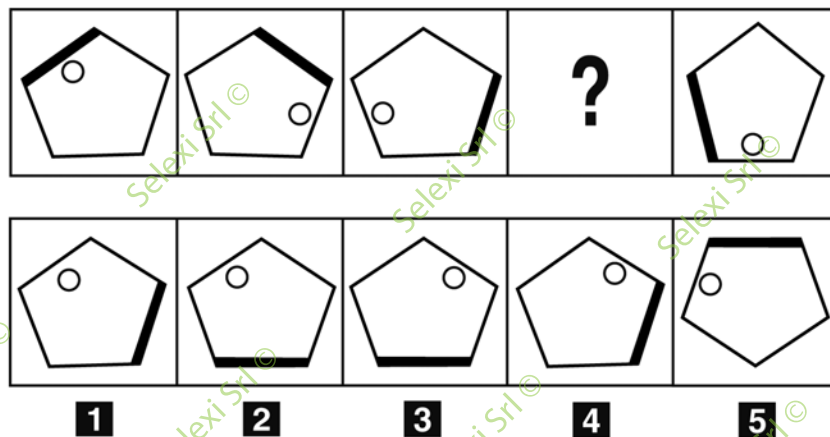
- A) Figure 1
- B) Figure 2
- C) Figure 4
- D) Figure 3
- E) Figure 5

IMAGE SX 07

701 Answer the following question concerning IMAGE SX 07

Find the figure that completes the series.

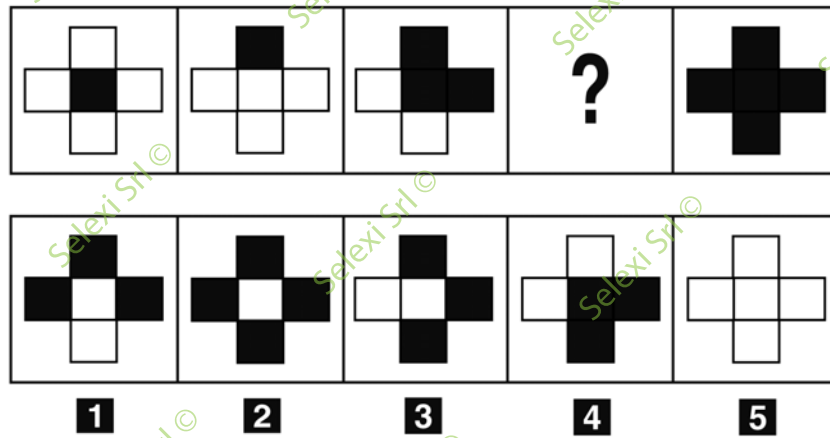
- A) Figure 1
- B) Figure 3
- C) Figure 4
- D) Figure 2
- E) Figure 5

IMAGE SX 08

702 Answer the following question concerning IMAGE SX 08

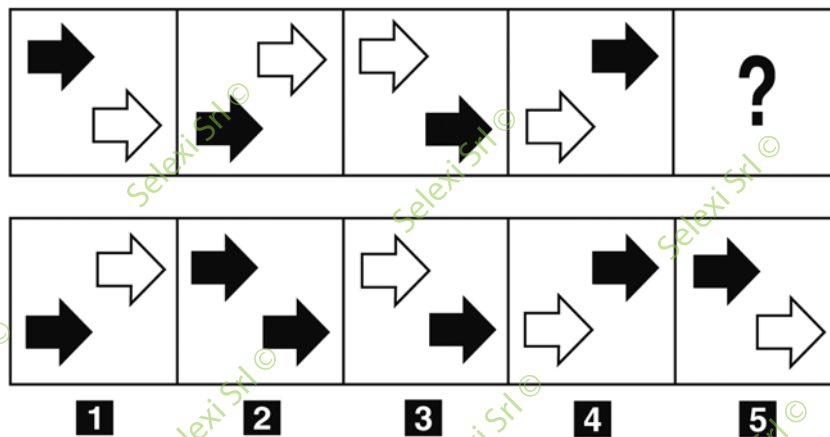
Find the alternative that completes the series.

- A) Figure 4
- B) Figure 2
- C) Figure 1
- D) Figure 3
- E) Figure 5

IMAGE SX 09

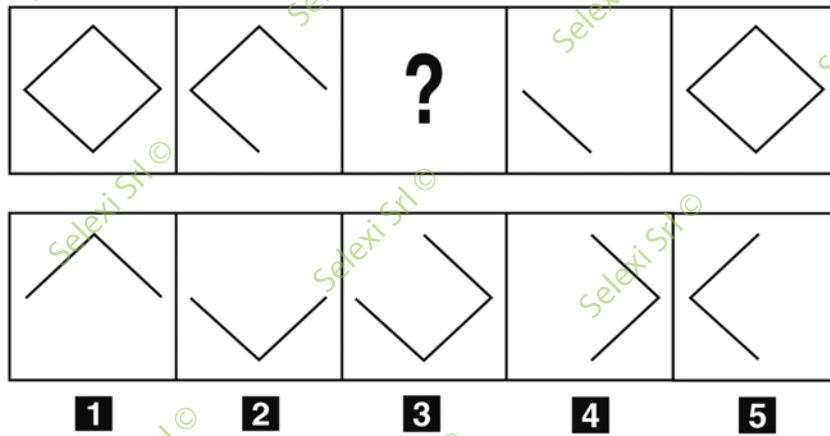
703 Answer the following question concerning IMAGE SX 09
Find the figure that correctly completes the series.

- A) Figure 2
- B) Figure 5
- C) Figure 4
- D) Figure 1
- E) Figure 3

IMAGE SX 11

704 Answer the following question concerning IMAGE SX 11
Find the figure that completes the series.

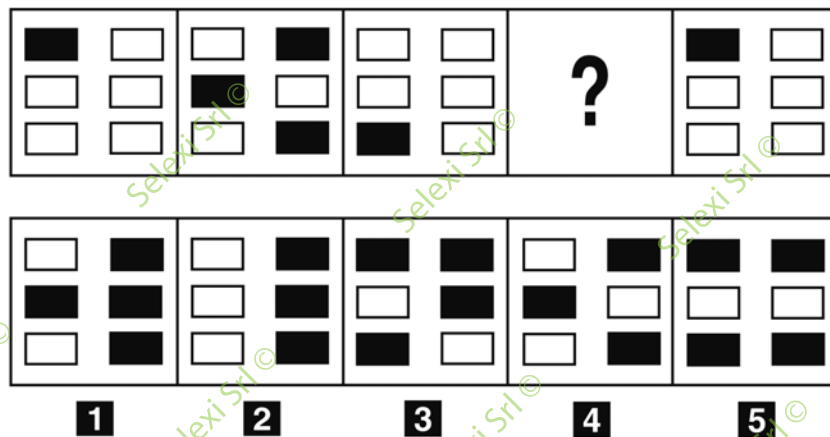
- A) Figure 2
- B) Figure 4
- C) Figure 1
- D) Figure 3
- E) Figure 5

IMAGE SX 12

705 Answer the following question concerning IMAGE SX 12

Find the figure that completes the series.

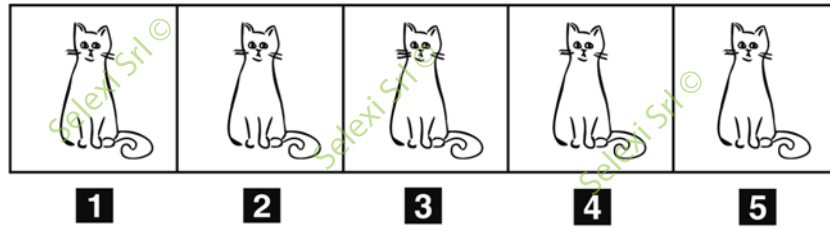
- A) Figure 3
- B) Figure 1
- C) Figure 2
- D) Figure 5
- E) Figure 4

IMAGE SX 14

706 Answer the following question concerning IMAGE SX 14

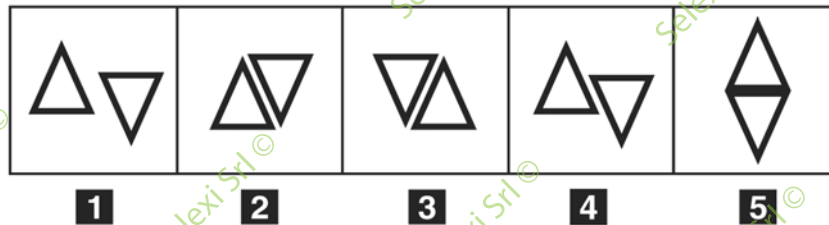
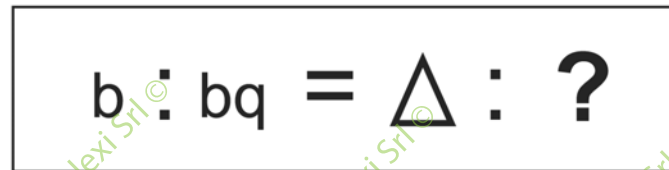
Find the figure that completes the series.

- A) Figure 3
- B) Figure 4
- C) Figure 1
- D) Figure 2
- E) Figure 5

IMAGE SX 15

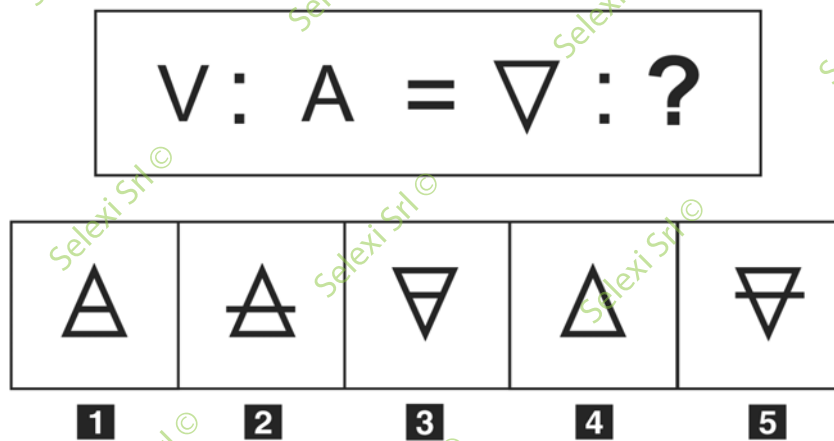
707 Answer the following question concerning IMAGE SX 15
Which of the following figures does NOT fit in the series?

- A) Figure 4
- B) Figure 5
- C) Figure 2
- D) Figure 1
- E) Figure 3

IMAGE SX 25

708 Answer the following question concerning IMAGE SX 25
Find the figure that correctly completes the series.

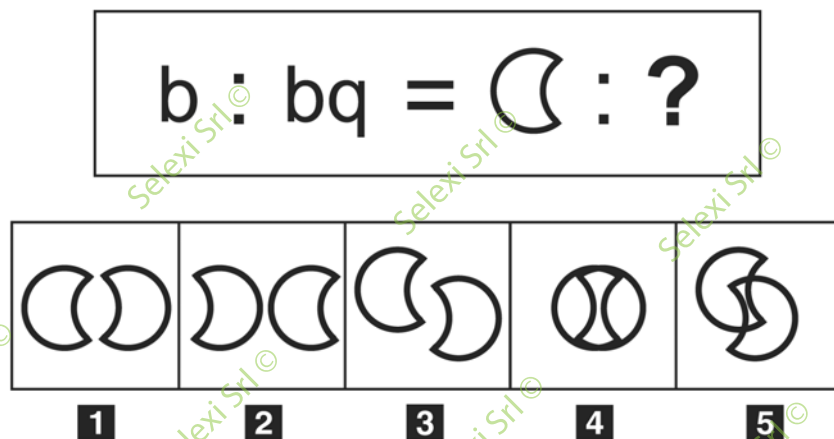
- A) Figure 3
- B) Figure 2
- C) Figure 4
- D) Figure 1
- E) Figure 5

IMAGE SX 26

709 Answer the following question concerning IMAGE SX 26

Find the figure that correctly completes the series.

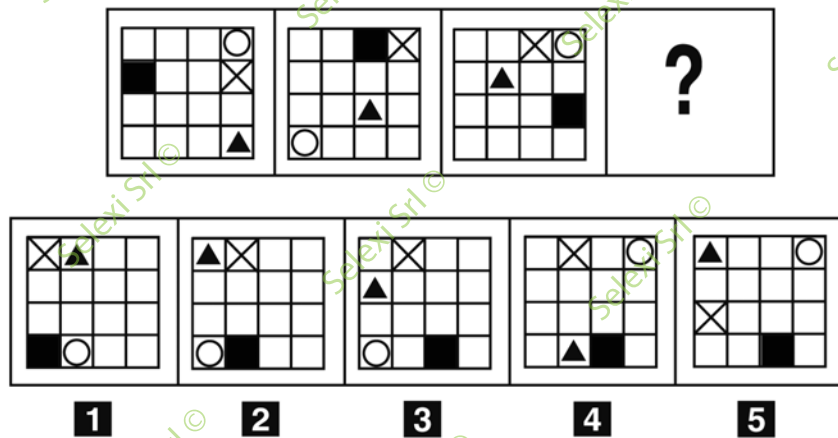
- A) Figure 4
- B) Figure 1
- C) Figure 2
- D) Figure 3
- E) Figure 5

IMAGE SX 27

710 Answer the following question concerning IMAGE SX 27

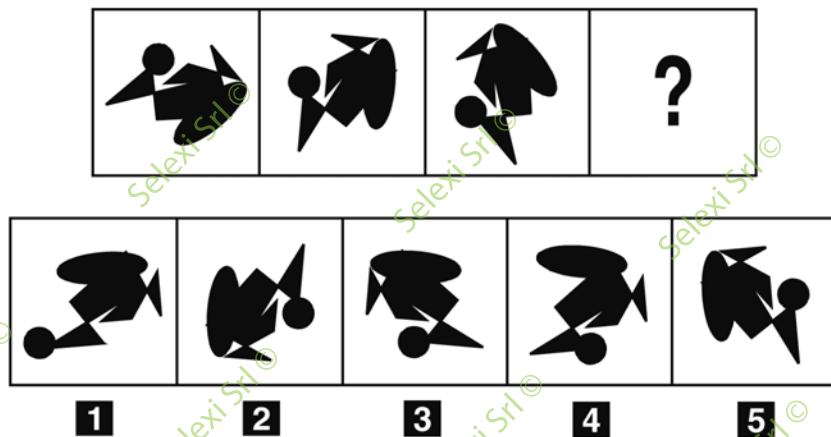
Find the figure that correctly completes the series.

- A) Figure 5
- B) Figure 3
- C) Figure 1
- D) Figure 4
- E) Figure 2

IMAGE SX 34

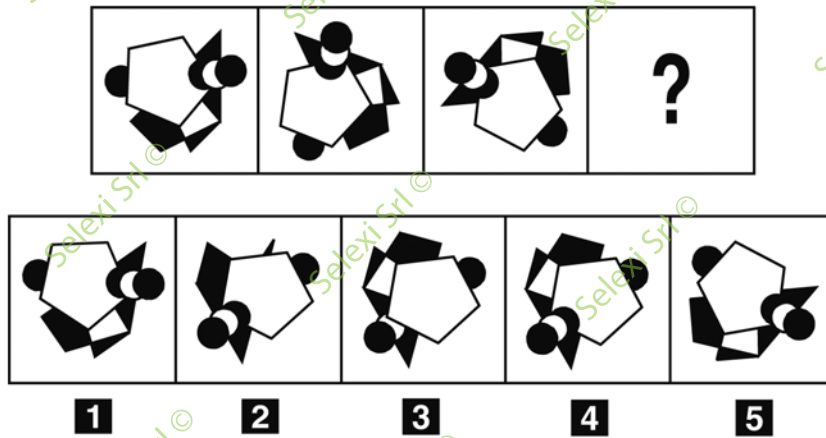
711 Answer the following question concerning IMAGE SX 34
Determine which figure correctly completes the series.

- A) Figure 5
- B) Figure 3
- C) Figure 1
- D) Figure 2
- E) Figure 4

IMAGE SX 36

712 Answer the following question concerning IMAGE SX 36
Find the figure that correctly completes the series.

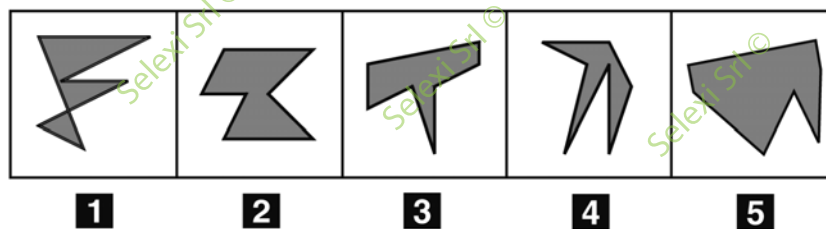
- A) Figure 5
- B) Figure 4
- C) Figure 2
- D) Figure 3
- E) Figure 1

IMAGE SX 40

713 Answer the following question concerning IMAGE SX 40

Find the figure that completes the series.

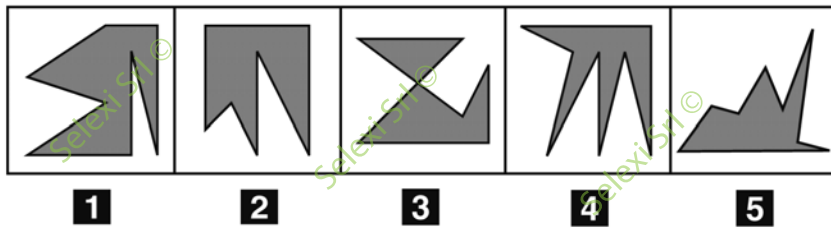
- A) Figure 3
- B) Figure 2
- C) Figure 4
- D) Figure 1
- E) Figure 5

IMAGE SX 41

714 Answer the following question concerning IMAGE SX 41

Find the figure that does NOT fit in.

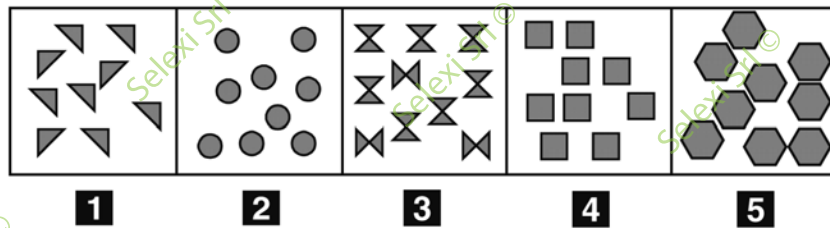
- A) Figure 4
- B) Figure 2
- C) Figure 3
- D) Figure 1
- E) Figure 5

IMAGE SX 47

715 Answer the following question concerning IMAGE SX 47

Which figure does NOT fit in the series?

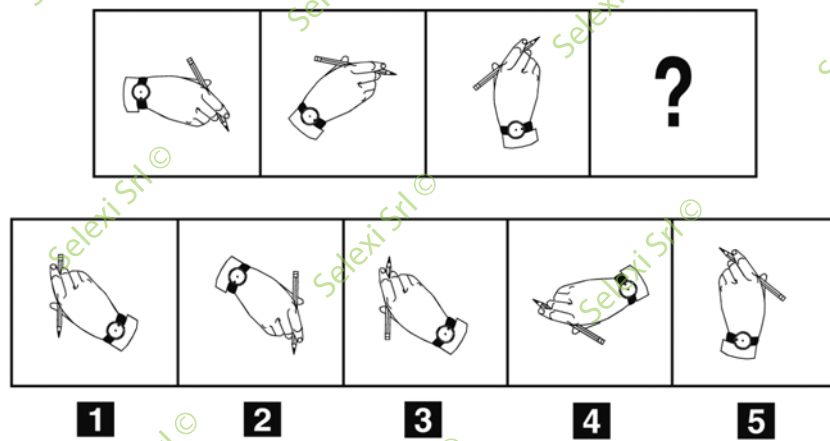
- A) Figure 2
- B) Figure 1
- C) Figure 3
- D) Figure 4
- E) Figure 5

IMAGE SX 53

716 Answer the following question concerning IMAGE SX 53

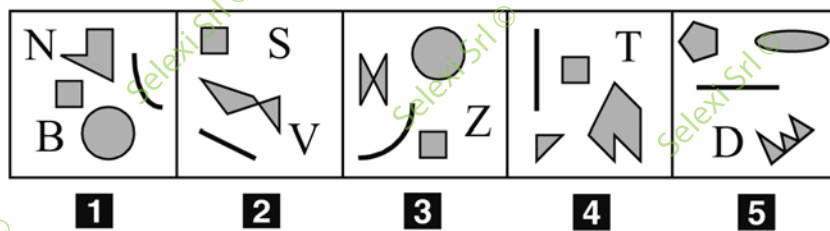
Find the figure that does NOT fit in.

- A) Figure 3
- B) Figure 2
- C) Figure 1
- D) Figure 4
- E) Figure 5

IMAGE SX 56

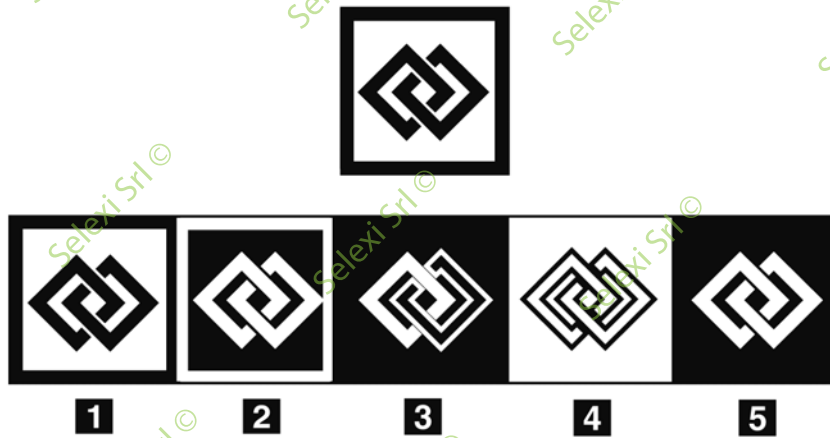
717 Answer the following question concerning IMAGE SX 56
Find the figure that correctly completes the series.

- A) Figure 5
- B) Figure 2
- C) Figure 3
- D) Figure 4
- E) Figure 1

IMAGE SX 63

718 Answer the following question concerning IMAGE SX 63
Find the figure that does NOT fit in.

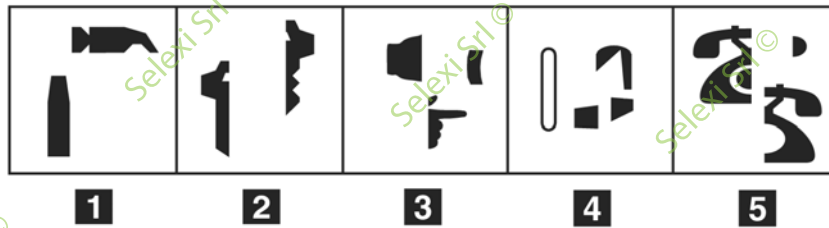
- A) Figure 2
- B) Figure 3
- C) Figure 1
- D) Figure 4
- E) Figure 5

IMAGE SX 66

719 Answer the following question concerning IMAGE SX 66

Find the negative version of the given figure.

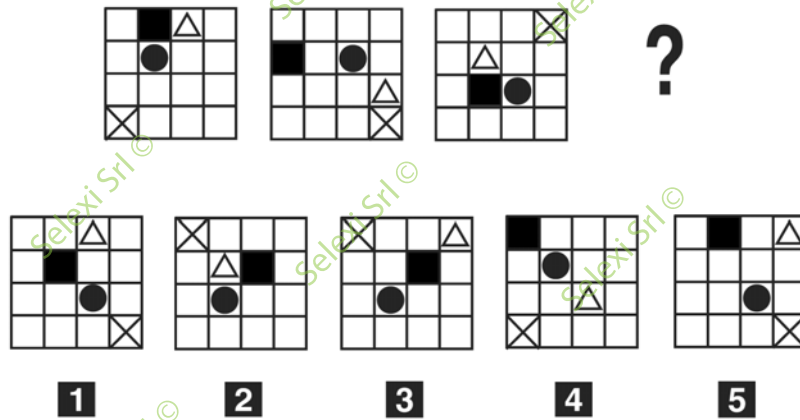
- A) Figure 3
- B) Figure 4
- C) Figure 5
- D) Figure 1
- E) Figure 2

IMAGE SX 67

720 Answer the following question concerning IMAGE SX 67

Which figure does NOT fit in the series?

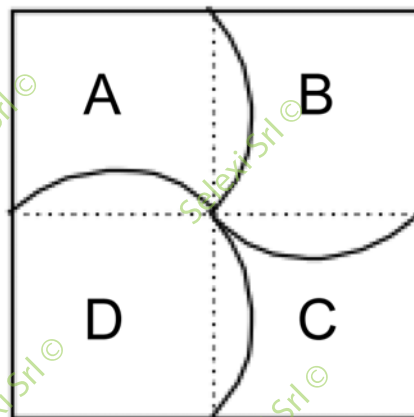
- A) Figure 5
- B) Figure 1
- C) Figure 3
- D) Figure 2
- E) Figure 4

IMAGE SX 68

721 Answer the following question concerning IMAGE SX 68

Find the figure that correctly completes the series.

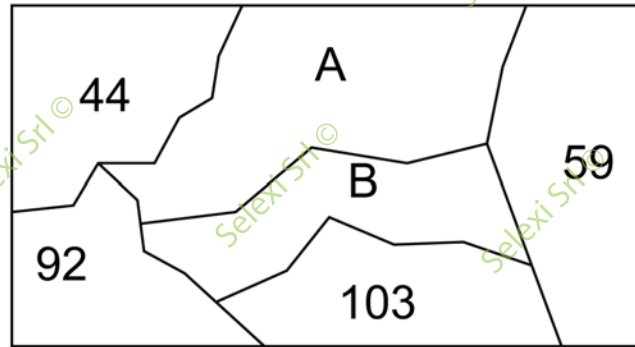
- A) Figure 5
- B) Figure 2
- C) Figure 1
- D) Figure 3
- E) Figure 4

IMAGE SX 78

722 Answer the following question concerning IMAGE SX 78

Which of the following sums of two regions adds up to the smallest area?

- A) C + D
- B) A + C
- C) A + B
- D) B + D
- E) A + D

IMAGE SX 99

723 Answer the following question concerning IMAGE SX 99

What values can A and B assume, knowing that no point of the plane can be on the border of either three regions characterised by an even number or three regions characterised by an odd number?

- A) A = 88, B = 87
- B) A = 34, B = 48
- C) A = 57, B = 6
- D) None of the other answers is correct
- E) A = 47, B = 91

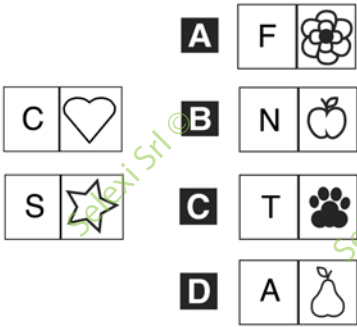
IMAGE SY 25

724 Answer the following question concerning IMAGE SY 25

How many letters, between the following, considered from a pure geometrical point of view, have one and only one axis of symmetry?

- A) 1
- B) 4
- C) 2
- D) 3
- E) None

IMAGE SY 32



725 Answer the following question concerning IMAGE SY 32
Which of the proposed dowels is suitable to continue the series?

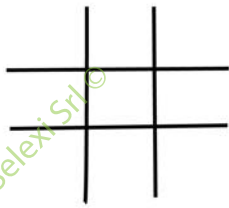
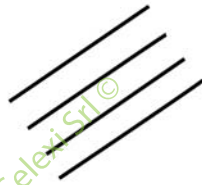
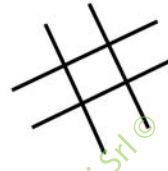
- A) Dowel C
- B) Dowel B
- C) Dowel A
- D) Dowel D
- E) Dowel A or dowel B

IMAGE TZ 00

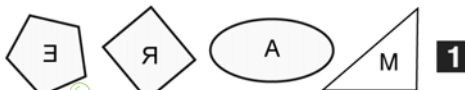
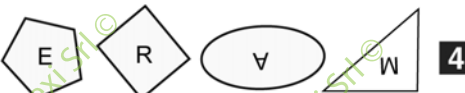


726 Answer the following question concerning IMAGE TZ 00
How many faces has the shown solid?

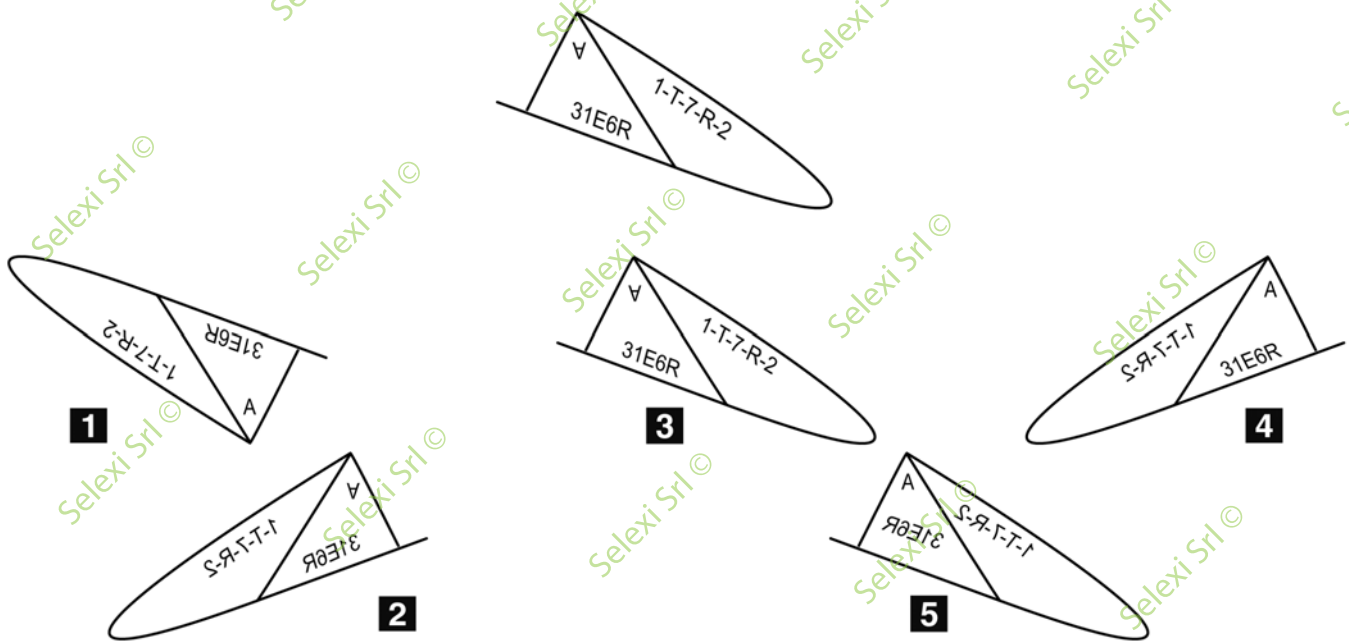
- A) 3
- B) 2
- C) 4
- D) 6
- E) 1

IMAGE TZ 09**1****2****3****4****5****727 Answer the following question concerning IMAGE TZ 09****Which of the reported figures divides the set of points in groups of 3?**

- A) Figure 3
- B) Figure 2
- C) Figure 5
- D) Figure 1
- E) Figure 4

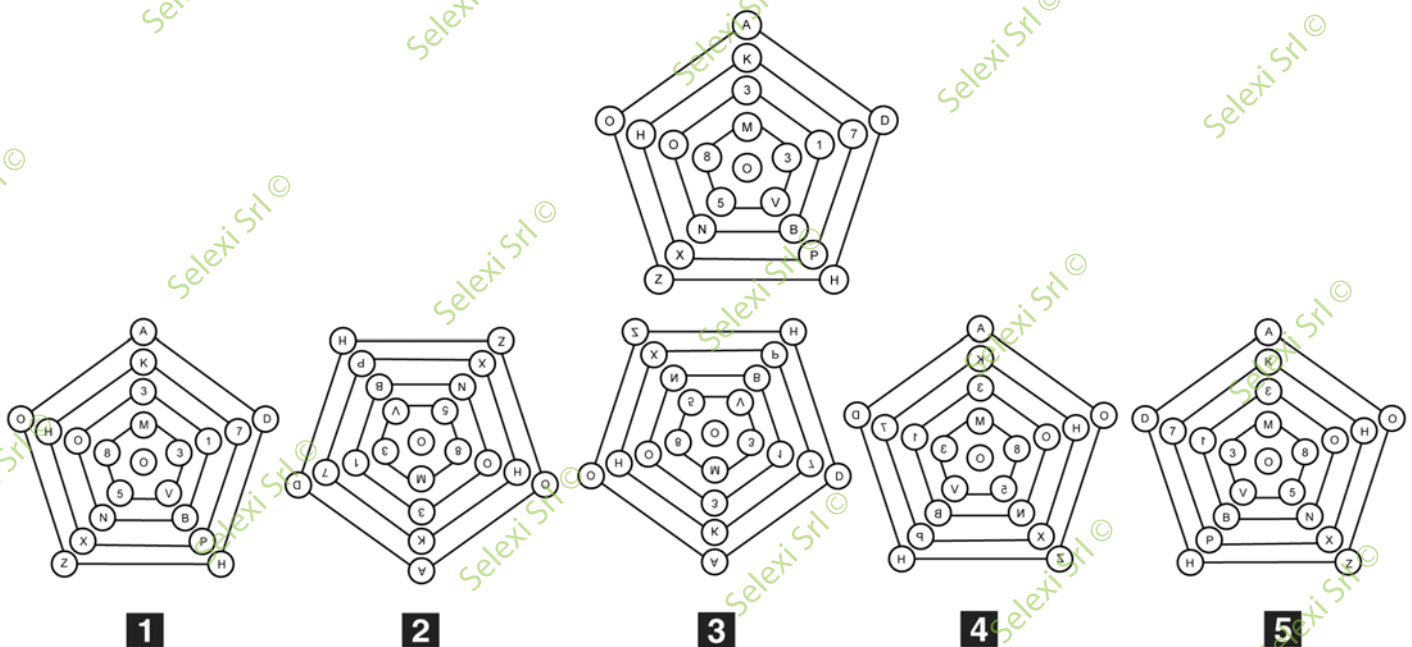
IMAGE TZ 10**1****2****3****4****5****728 Answer the following question concerning IMAGE TZ 10****Placing the given image in front of a mirror, how could it appear?**

- A) As figure 2
- B) As figure 3
- C) As figure 1
- D) As figure 4
- E) As figure 5

IMAGE TZ 11

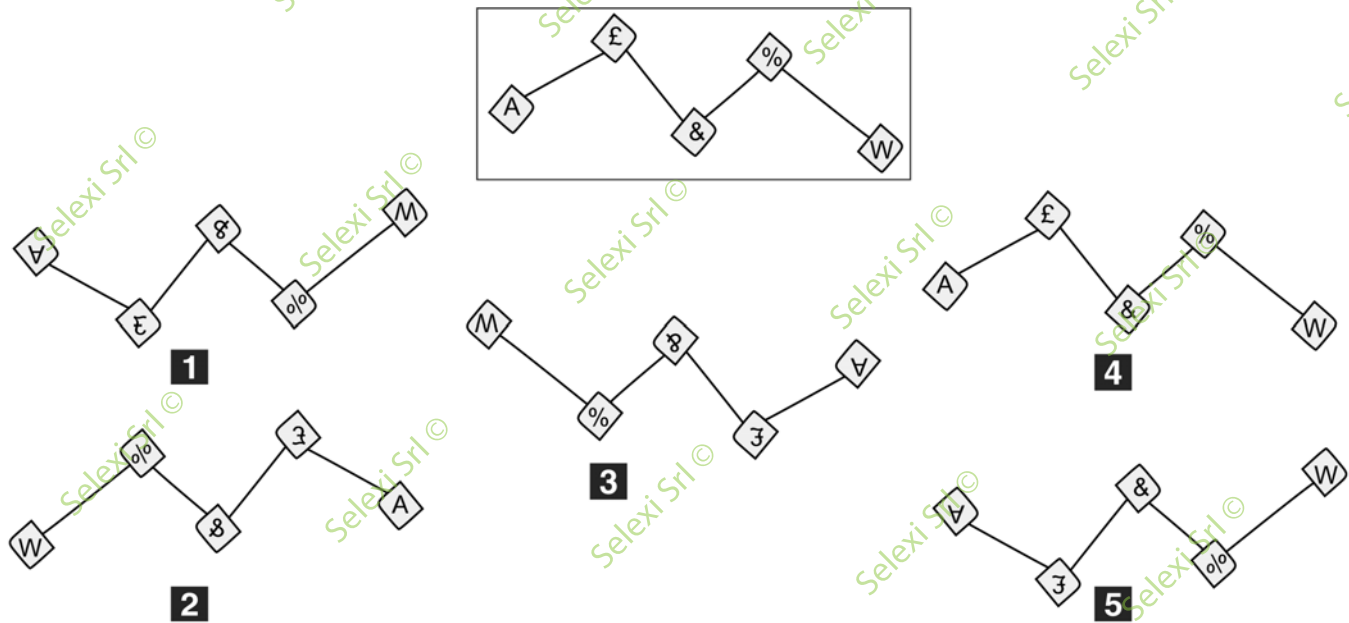
729 Answer the following question concerning IMAGE TZ 11
Placing the given image in front of a mirror, how could it appear?

- A) As in figure 2
- B) As in figure 1
- C) As in figure 3
- D) As in figure 4
- E) As in figure 5

IMAGE TZ 12

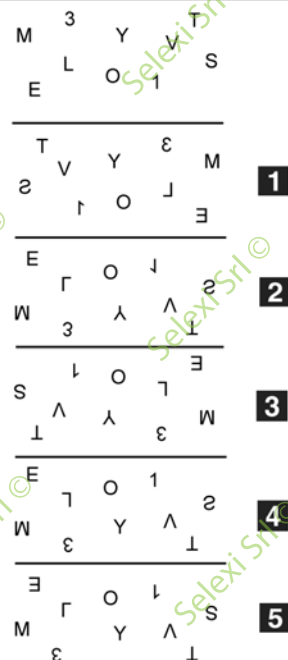
730 Answer the following question concerning IMAGE TZ 12
Placing the given image in front of a mirror, how could it appear?

- A) As in figure 5
- B) As in figure 3
- C) As in figure 2
- D) As in figure 1
- E) As in figure 4

IMAGE TZ 13

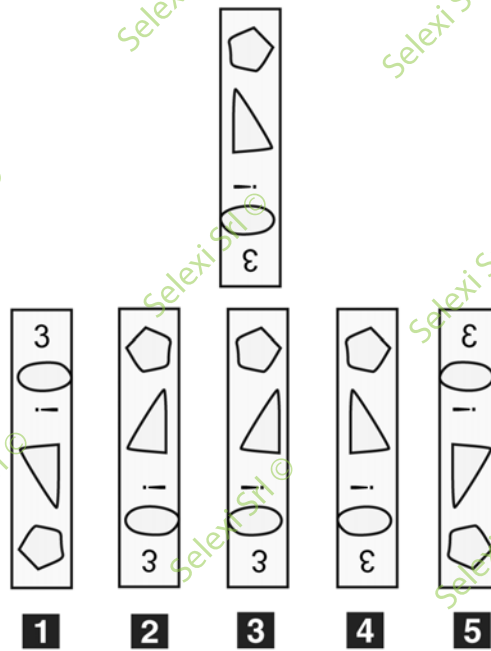
731 Answer the following question concerning **IMAGE TZ 13**
 how could be appear the given image in a water mirror?

- A) As in figure 4
- B) As in figure 3
- C) As in figure 1
- D) As in figure 2
- E) As in figure 5

IMAGE TZ 14

732 Answer the following question concerning **IMAGE TZ 14**
 How could be appear the given image in a water mirror?

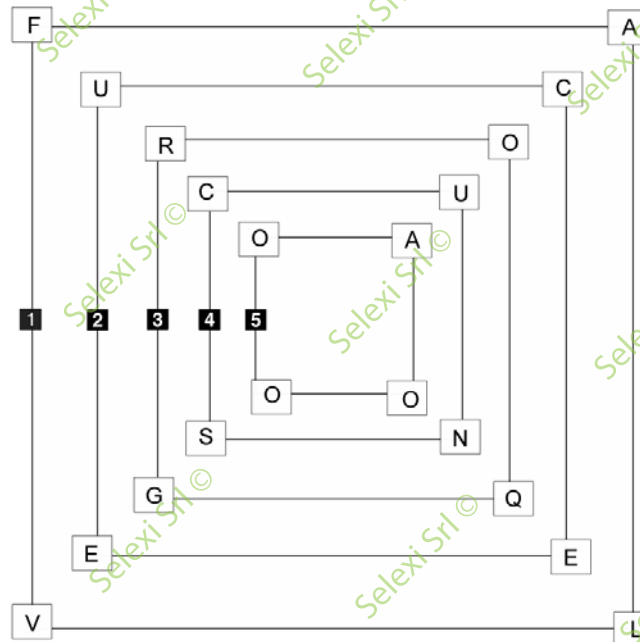
- A) As in figure 2
- B) As in figure 4
- C) As in figure 1
- D) As in figure 3
- E) As in figure 5

IMAGE TZ 15

733 Answer the following question concerning IMAGE TZ 15

How would the given image look like, supposing it was mirrored in a sheet of water?

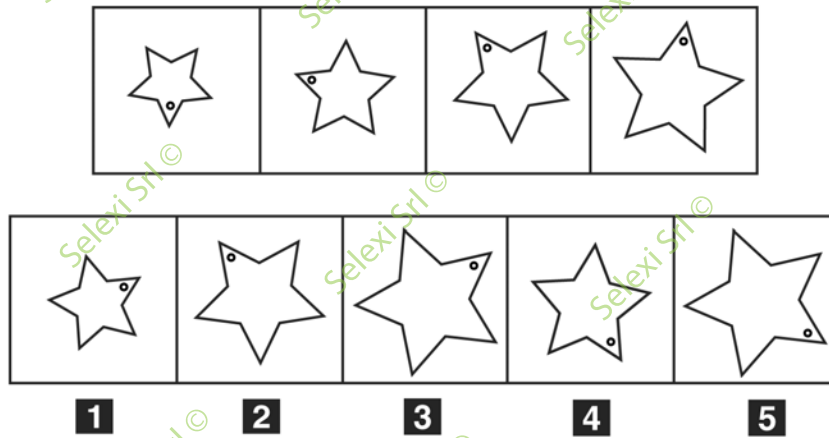
- A) Like figure 4
- B) Like figure 3
- C) Like figure 1
- D) Like figure 5
- E) Like figure 2

IMAGE TZ 43

734 Answer the following question concerning IMAGE TZ 43

Which square and how many degrees should be rotated in order to obtain four words with complete sense?

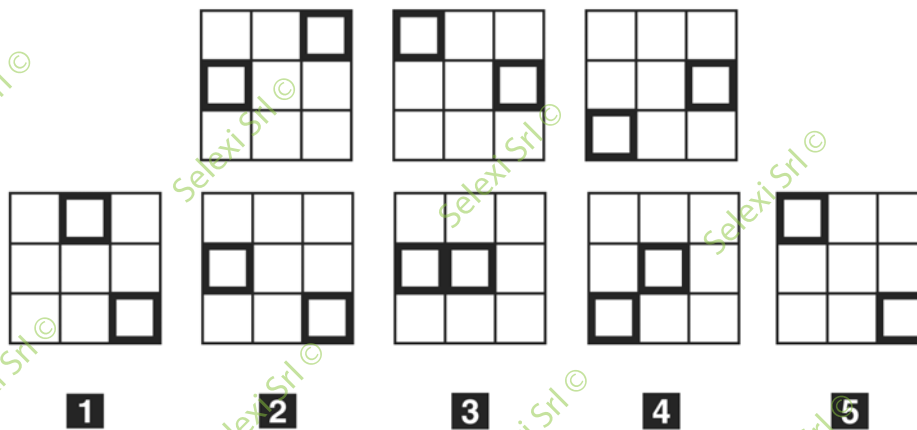
- A) Square 2 rotated 270° clockwise
- B) Square 5 rotated 180° anticlockwise
- C) Square 3 rotated 90° anticlockwise
- D) Square 4 rotated 90° clockwise
- E) Square 1 rotated 180° clockwise

IMAGE TZ 53

735 Answer the following question concerning IMAGE TZ 53

Find the figure that completes the series.

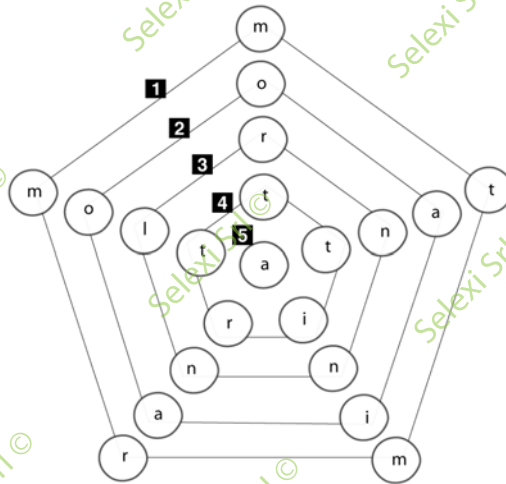
- A) Figure 4
- B) Figure 3
- C) Figure 1
- D) Figure 2
- E) Figure 5

IMAGE TZ 58

736 Answer the following question concerning IMAGE TZ 58

Which of the figures from 1 to 5 are compatible with the logic of the proposed series?

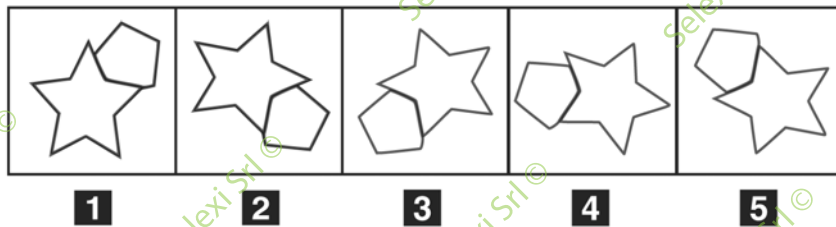
- A) Figure 1 and figure 4
- B) Figure 2 and figure 4
- C) Figure 1 and figure 3
- D) Figure 1 and figure 2
- E) Figure 1, figure 2 and figure 5

IMAGE TZ 65

737 Answer the following question concerning IMAGE TZ 65

Which pentagon must be removed to obtain in each line words with complete sense?

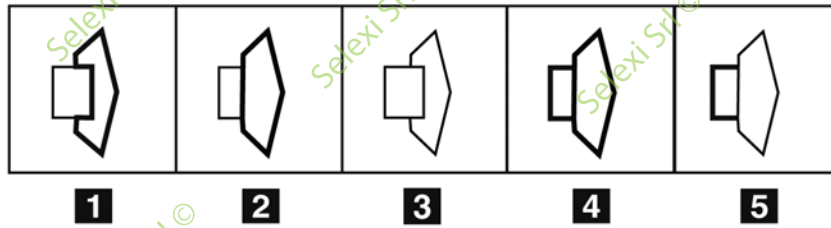
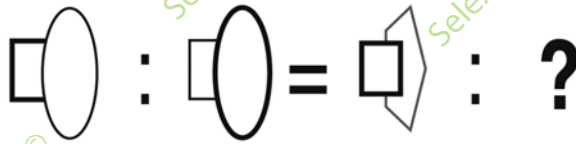
- A) The first
- B) The second
- C) The fifth
- D) The third
- E) The fourth

IMAGE TZ 67

738 Answer the following question concerning IMAGE TZ 67

Find the figure that completes the series.

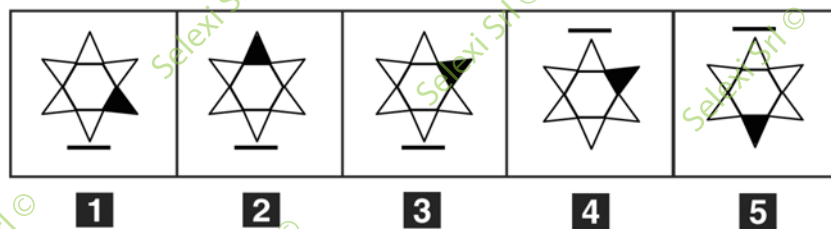
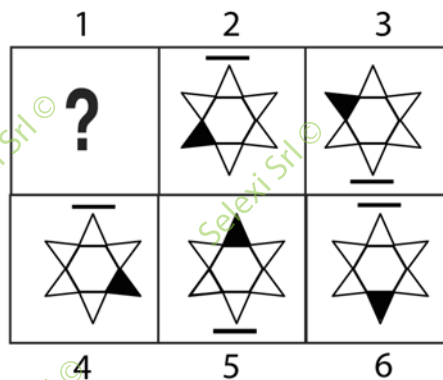
- A) Figure 1
- B) Figure 5
- C) Figure 3
- D) Figure 2
- E) Figure 4

IMAGE TZ 69

739 Answer the following question concerning IMAGE TZ 69

Find the figure that completes the series.

- A) Figure 2
- B) None of the figures completes the series
- C) Figure 1
- D) Figure 4
- E) Figure 3

IMAGE TZ 72

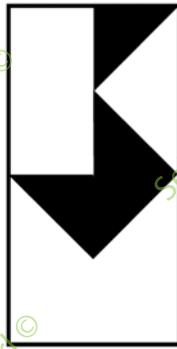
740 Answer the following question concerning IMAGE TZ 72

What is the first figure of the series?

- A) Figure 5
- B) Figure 3
- C) Figure 1
- D) Figure 4
- E) Figure 2

IMAGE TN 04

1



2



741 Answer the following question concerning IMAGE TN 04

What is the ratio between the white part and the darkened part of figure 1?

- A) $1/3$
- B) $2/3$
- C) $3/5$
- D) 3
- E) $3/4$

742 Answer the following question concerning IMAGE TN 04

What is the ratio between the darkened part of figure 2 and figure 2 as a whole?

- A) $3/8$
- B) $2/8$
- C) $5/8$
- D) $3/4$
- E) $5/4$

743 Answer the following question concerning IMAGE TN 04

What is the ratio between the white part of figure 2 and figure 2 as a whole?

- A) $3/5$
- B) $8/5$
- C) $3/8$
- D) $5/3$
- E) $5/8$

744 Answer the following question concerning IMAGE TN 04

Indicate the values that express the ratio between the white part and the darkened part of figure 1 and that between the white part of figure 2 and figure 2 as a whole, respectively.

- A) $2; 3/8$
- B) $3/4; 3/8$
- C) $1/3; 3/8$
- D) $3; 5/8$
- E) $2/3; 5/8$

745 Answer the following question concerning IMAGE TN 04

What fraction represents the ratio between the darkened part and the white part of figure 2?

- A) $\frac{3}{8}$
 - B) $\frac{5}{3}$
 - C) $\frac{5}{8}$
 - D) $\frac{3}{5}$
 - E) $\frac{3}{4}$
-

746 Answer the following question concerning IMAGE TN 04

What is the ratio between the darkened part of figure 1 and figure 1 as a whole?

- A) $\frac{10}{16}$
 - B) $\frac{11}{16}$
 - C) $\frac{1}{4}$
 - D) $\frac{3}{4}$
 - E) $\frac{5}{4}$
-

747 Answer the following question concerning IMAGE TN 04

What fraction represents the ratio between the darkened part and the white part of figure 1?

- A) $\frac{1}{3}$
 - B) $\frac{3}{4}$
 - C) $\frac{4}{16}$
 - D) $\frac{12}{16}$
 - E) $\frac{1}{4}$
-

748 Answer the following question concerning IMAGE TN 04

What is the ratio between the white part and the total area of figure 1?

- A) $\frac{5}{4}$
 - B) $\frac{1}{4}$
 - C) $\frac{2}{4}$
 - D) $\frac{10}{16}$
 - E) $\frac{12}{16}$
-

749 Answer the following question concerning IMAGE TN 04

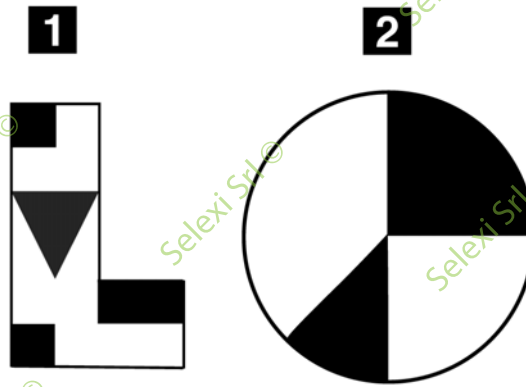
Consider Figure 1 and Figure 2. Indicate the correct fractions which represent the ratio between the darkened part and the total area of the first figure and the ratio between the darkened part and the white part of the second figure.

- A) $\frac{3}{2}$; $\frac{12}{5}$
 - B) $\frac{1}{4}$; $\frac{3}{8}$
 - C) $\frac{4}{16}$; $\frac{3}{5}$
 - D) $\frac{4}{16}$; $\frac{3}{8}$
 - E) $\frac{13}{27}$; $\frac{8}{16}$
-

750 Answer the following question concerning IMAGE TN 04

Which is the fraction that represents the ratio between the white part and the darkened part of figure 2?

- A) $\frac{5}{8}$
- B) $\frac{3}{5}$
- C) $\frac{3}{4}$
- D) $\frac{3}{8}$
- E) $\frac{5}{3}$

IMAGE TN 05

751 Answer the following question concerning IMAGE TN 05

Indicate the fractions that express the ratio between the white part of figure 1 and figure 1 as a whole and that one between the white part and the darkened part of figure 2, respectively.

- A) $3/5$; $3/8$
- B) $5/8$; $5/3$
- C) $5/3$; $8/5$
- D) $3/8$; $3/5$
- E) None of the other answers is correct

752 Answer the following question concerning IMAGE TN 05

The ratio between the fraction that represents the darkened part of figure 1 and that which represents the white part of figure 2 is:

- A) $8/5$
- B) $3/5$
- C) $3/8$
- D) $5/3$
- E) $2/5$

753 Answer the following question concerning IMAGE TN 05

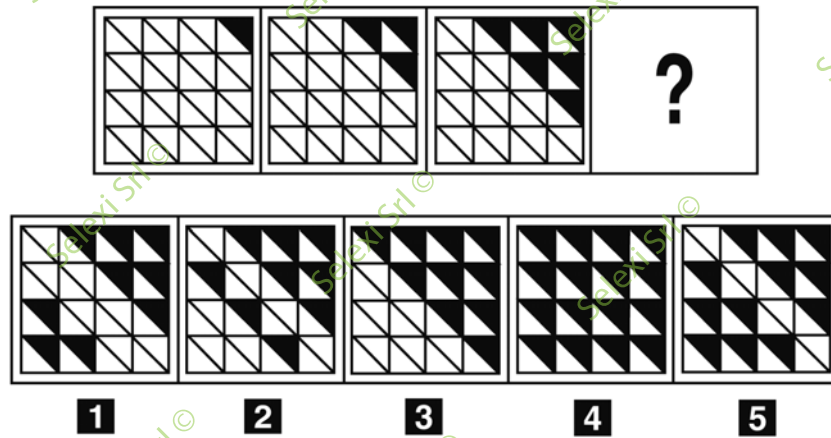
The ratio between the fraction that represents the white part of figure 1 and that which represents the darkened part of figure 2 is:

- A) $2/5$
- B) $5/8$
- C) $8/5$
- D) $3/5$
- E) $5/3$

754 Answer the following question concerning IMAGE TN 05

Indicate the fractions which represent, respectively, the ratio between the white part and the total area of figure 2 and the ratio between the white part and the darkened part of figure 1.

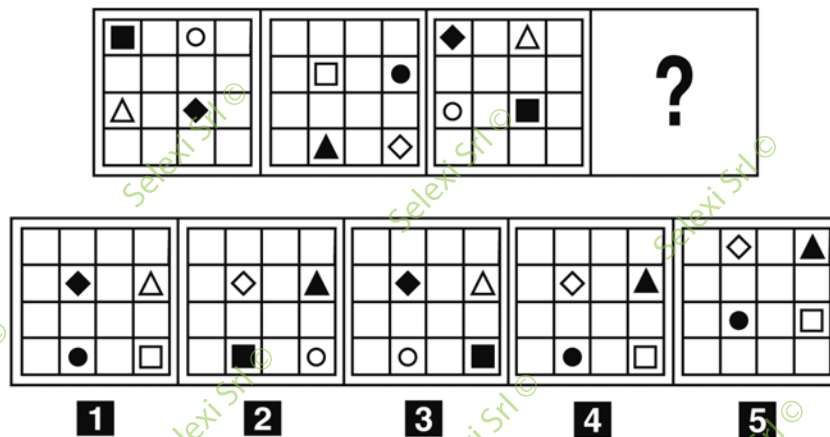
- A) $5/8$; $5/3$
- B) $3/8$; $3/5$
- C) $3/5$; $3/8$
- D) $8/5$; $8/3$
- E) $5/3$; $8/5$

IMAGE TN 29

755 Answer the following question concerning IMAGE TN 29

Which of the numbered figures correctly completes the series?

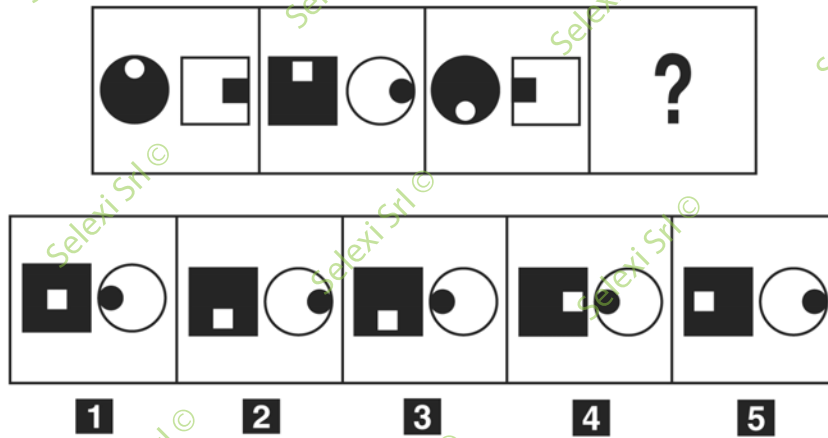
- A) Figure 4
- B) Figure 5
- C) Figure 2
- D) Figure 3
- E) Figure 1

IMAGE TN 31

756 Answer the following question concerning IMAGE TN 31

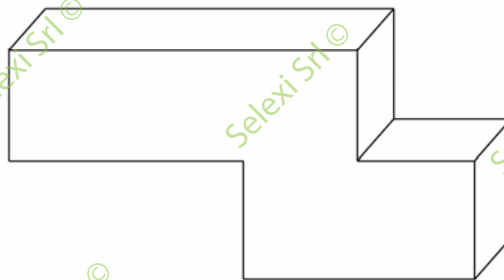
Find the figure that completes the series.

- A) Figure 5
- B) Figure 2
- C) Figure 3
- D) Figure 1
- E) Figure 4

IMAGE TN 32

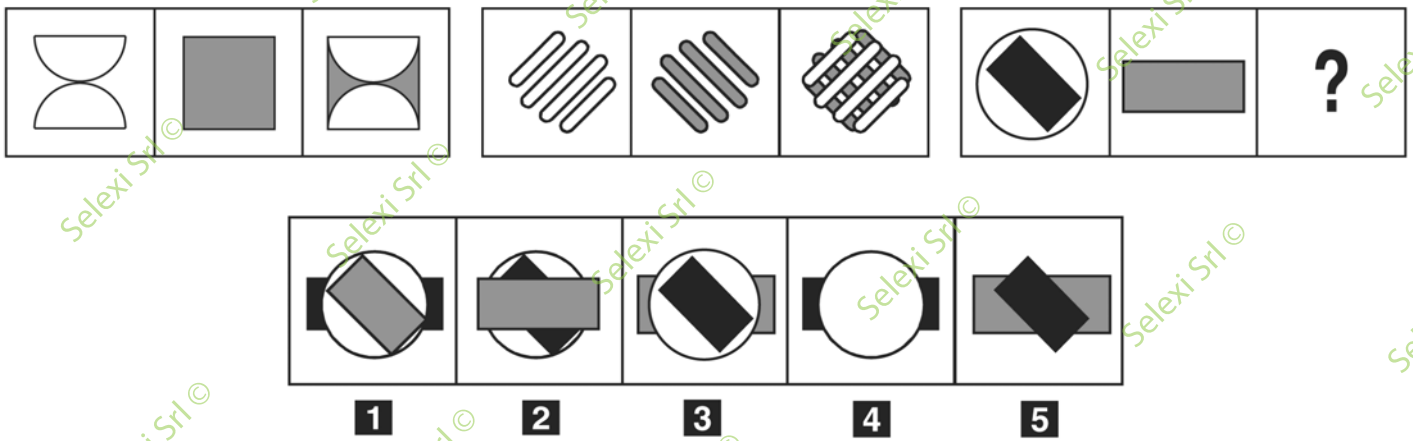
757 Answer the following question concerning IMAGE TN 32
Find the figure that completes the series.

- A) Figure 2
- B) Figure 4
- C) Figure 1
- D) Figure 5
- E) Figure 3

IMAGE TN 40

758 Answer the following question concerning IMAGE TN 40
How many corners has this solid?

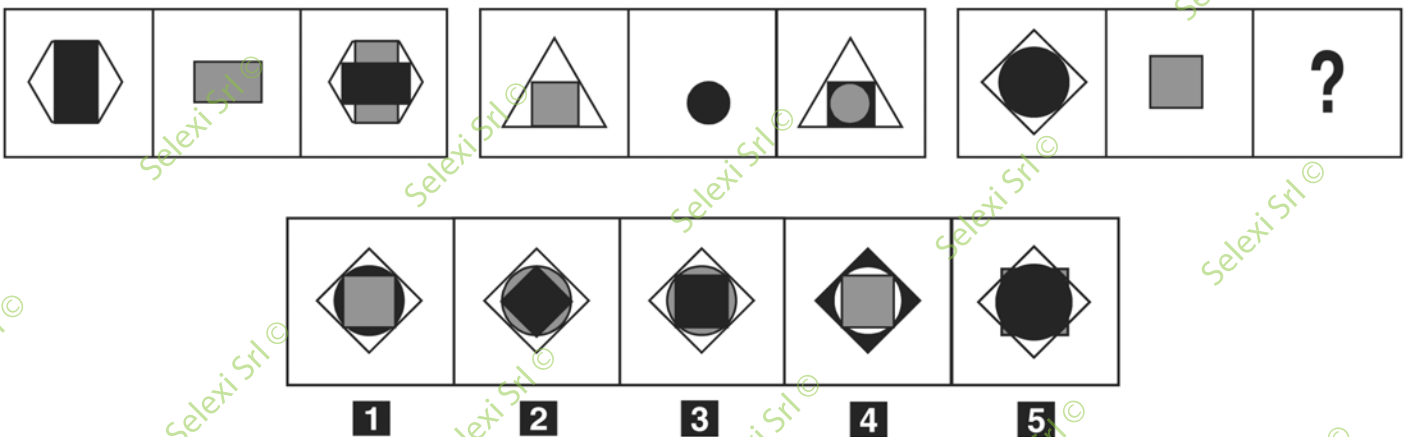
- A) 16
- B) 18
- C) 22
- D) 28
- E) 24

IMAGE TN 53

759 Answer the following question concerning IMAGE TN 53

Find the figure that completes the series.

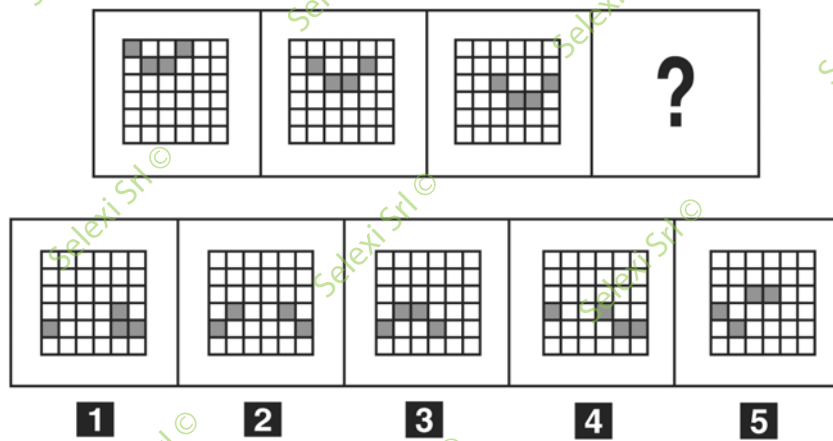
- A) Figure 3
- B) Figure 2
- C) Figure 1
- D) Figure 4
- E) Figure 5

IMAGE TN 57

760 Answer the following question concerning IMAGE TN 57

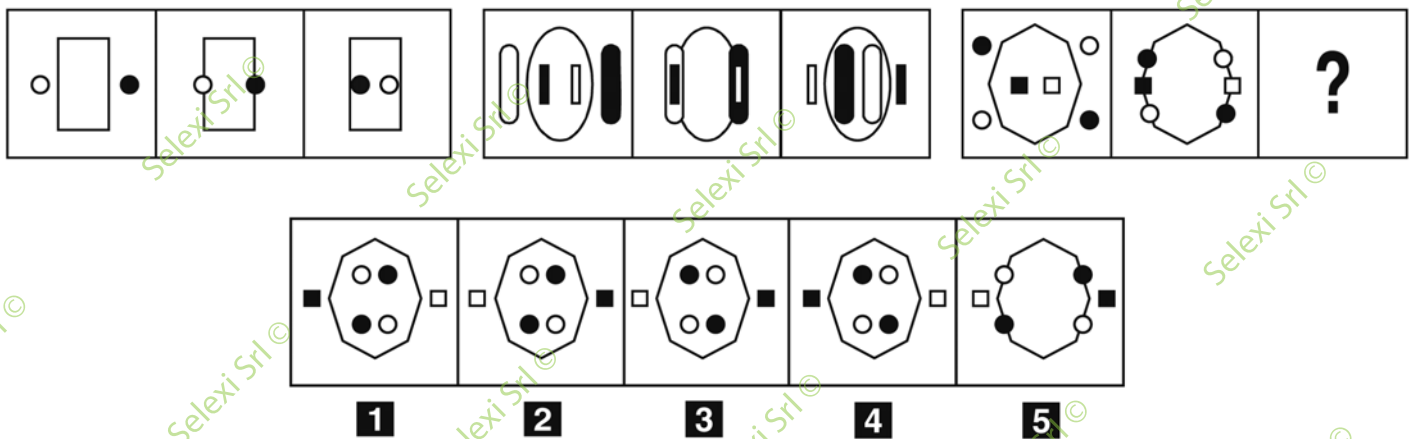
Find the figure that completes the series.

- A) Figure 1
- B) Figure 3
- C) Figure 4
- D) Figure 2
- E) Figure 5

IMAGE TN 58

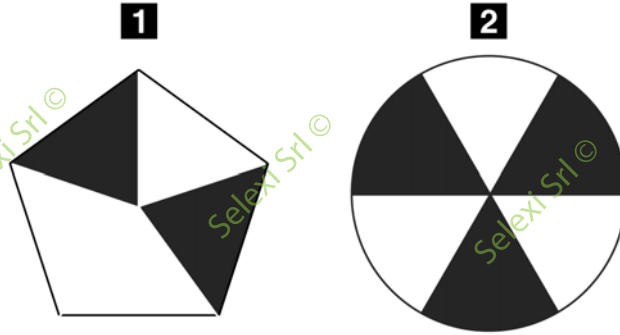
761 Answer the following question concerning IMAGE TN 58
Find the figure that completes the series.

- A) Figure 5
- B) Figure 2
- C) Figure 1
- D) Figure 3
- E) Figure 4

IMAGE TN 59

762 Answer the following question concerning IMAGE TN 59
Determine which figure correctly completes the series.

- A) Figure 1
- B) Figure 2
- C) Figure 3
- D) Figure 5
- E) Figure 4

IMAGE TN 62

763 Answer the following question concerning IMAGE TN 62

Indicate the fractions that express the ratio between the darkened part of figure 1 and figure 1 as a whole and that between the darkened part of figure 2 and figure 2 as a whole, respectively.

- A) $1/3$; $3/5$
- B) $3/5$; $2/6$
- C) $3/5$; $3/6$
- D) $2/5$; $1/3$
- E) $2/5$; $1/2$

764 Answer the following question concerning IMAGE TN 62

What is the ratio between the white part and the darkened part of figure 1?

- A) $2/5$
- B) $2/3$
- C) $3/2$
- D) $1/2$
- E) $3/5$

765 Answer the following question concerning IMAGE TN 62

What is the ratio between the darkened part and the white part of figure 2?

- A) 2
- B) $1/2$
- C) $1/3$
- D) 1
- E) $1/4$

766 Answer the following question concerning IMAGE TN 62

Adding the fraction which represents the white part of Figure 1 to the fraction which represents the white part of Figure 2, you can obtain:

- A) $32/30$
- B) $11/10$
- C) $9/10$
- D) $3/5$
- E) $10/12$

767 Answer the following question concerning IMAGE TN 62

Adding the fraction which represents the darkened part of Figure 1 to the fraction which represents the darkened part of Figure 2, you can obtain:

- A) $17/30$
 - B) $11/10$
 - C) $12/10$
 - D) $9/10$
 - E) $10/12$
-

768 Answer the following question concerning IMAGE TN 62

What value is obtained by subtracting the darkened part to the white part of Figure 1?

- A) $3/5$
 - B) $2/5$
 - C) $1/5$
 - D) $1/2$
 - E) $1/3$
-

769 Answer the following question concerning IMAGE TN 62

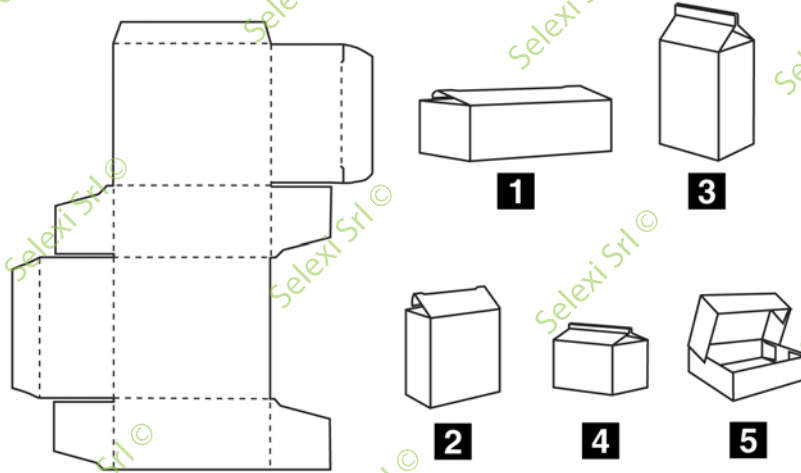
What value is obtained by subtracting the darkened part to the white part of Figure 2?

- A) $2/6$
 - B) $1/6$
 - C) $1/3$
 - D) $1/2$
 - E) 0
-

770 Answer the following question concerning IMAGE TN 62

Which are, respectively, the ratio between the white part and the total area of figure 1 and the ratio between the white part and the total area of figure 2?

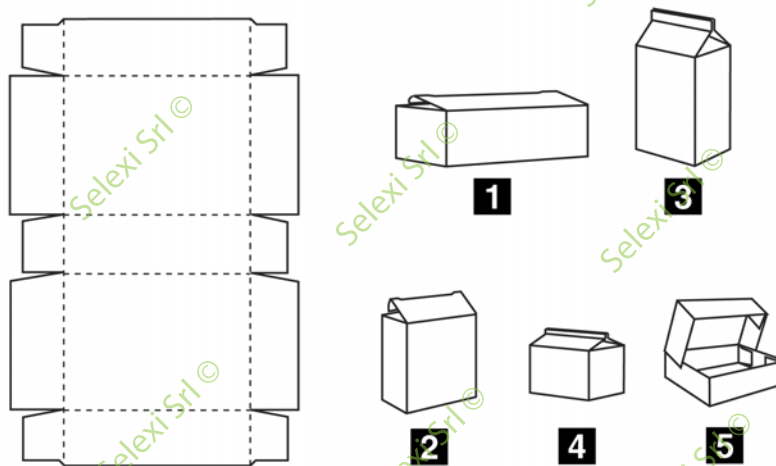
- A) $2/5$; $3/6$
 - B) $3/5$; $1/2$
 - C) $3/5$; $2/6$
 - D) $2/5$; $1/3$
 - E) $2/5$; $1/2$
-

IMAGE TN 68

771 Answer the following question concerning IMAGE TN 68

Folding the model on the left it is possible to obtain the solid in figure:

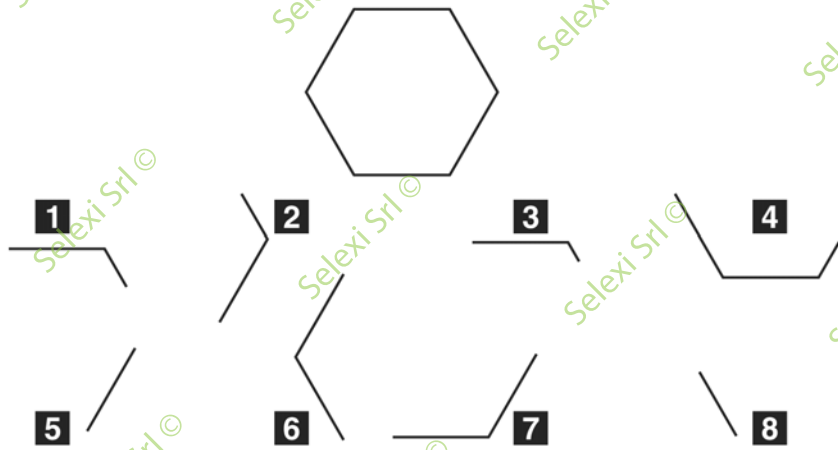
- A) 3
- B) 1
- C) 2
- D) 5
- E) 4

IMAGE TN 69

772 Answer the following question concerning IMAGE TN 69

Folding the model on the left it is possible to obtain the solid in figure:

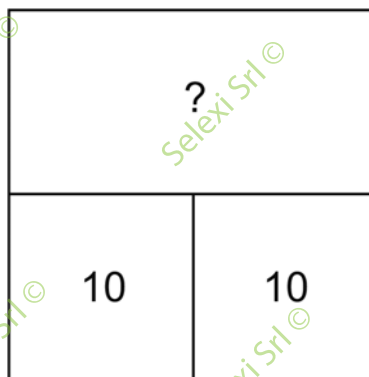
- A) 3
- B) 2
- C) 5
- D) 1
- E) 4

IMAGE TN 77

773 Answer the following question concerning IMAGE TN 77

How many and which of the numbered fragments are necessary to construct the proposed hexagon?

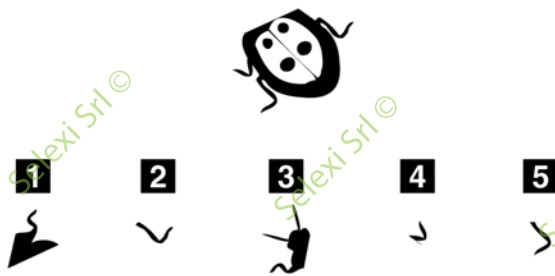
- A) With four fragments (1, 2, 5, 7)
- B) With four fragments (3, 6, 7, 8)
- C) With three (1, 2, 7) or four fragments (2, 3, 6, 7)
- D) With the proposed fragments it is not possible to construct any hexagon
- E) With three fragments (4, 6, 7)

IMAGE TN 86

774 Answer the following question concerning IMAGE TN 86

If the number contained in each region indicates its perimeter, which of the following is the missing number?

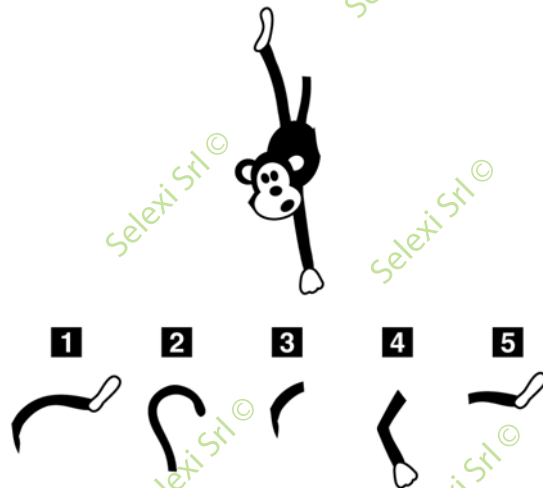
- A) 25
- B) 15
- C) 10
- D) 20
- E) 100

IMAGE TN 88

775 Answer the following question concerning IMAGE TN 88

In order to obtain the figure in the box on the left, it is NOT necessary to use the element:

- A) 5
- B) 4
- C) 3
- D) 1
- E) all the elements are necessary

IMAGE TN 89

776 Answer the following question concerning IMAGE TN 89

Considering that it is not possible to use the element number 1 to complete the drawing in order to obtain the figure on the left side, which elements must be used?

- A) Only element 2, 4 and 5
- B) All the available elements
- C) Only element 2, 3 and 4
- D) Only element 3 and 5
- E) Only element 2, 3 and 5

777 Answer the following question concerning IMAGE TN 89

In order to complete the drawing and obtain the figure in the box, it is NOT possible to use at the same time:

- A) elements 1 and 3
- B) elements 1 and 4
- C) elements 2 and 3
- D) elements 3 and 5
- E) elements 2 and 5

778 Answer the following question concerning IMAGE TN 89

In order to complete the drawing and obtain the figure in the box, it is **NOT** possible to use at the same time:

- A) elements 1 and 5
- B) elements 2 and 4
- C) elements 2 and 3
- D) elements 3 and 5
- E) elements 2 and 5

779 Answer the following question concerning IMAGE TN 89

In order to complete the drawing and obtain the figure in the box, it is possible to use at the same time:

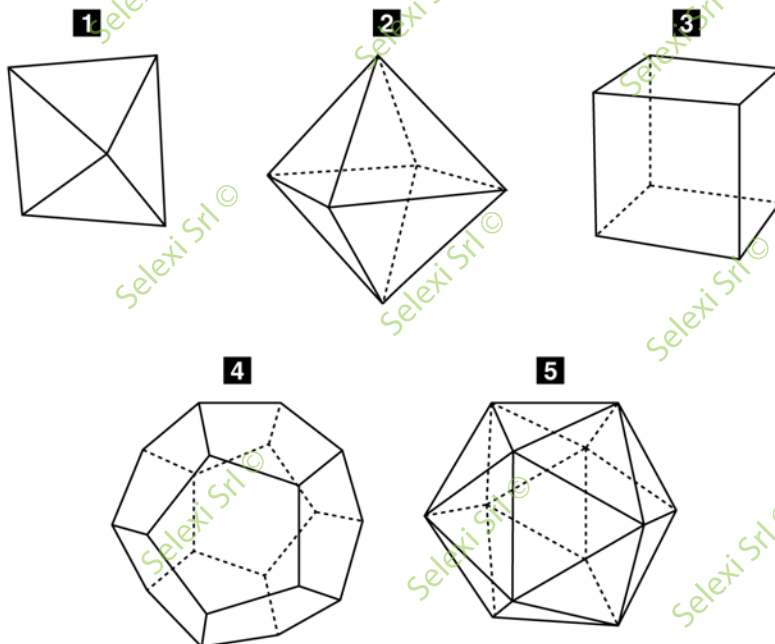
- A) elements 1, 2 and 4
- B) elements 1, 2 and 5
- C) only elements 1 and 2
- D) elements 2, 3 and 4
- E) elements 1, 2, 3 and 4

780 Answer the following question concerning IMAGE TN 89

In order to complete the drawing and obtain the figure in the box, it is possible to use at the same time:

- A) elements 2, 3 and 4
- B) elements 1, 2, 3 and 5
- C) elements 1, 2 and 5
- D) elements 2, 3, 4 and 5
- E) elements 1, 2, 3 and 4

IMAGE TN 90



781 Answer the following question concerning IMAGE TN 90

The solid 1, represented in the figure, is composed of:

- A) 8 faces
- B) 5 faces
- C) 7 faces
- D) 4 faces
- E) 6 faces

782 Answer the following question concerning IMAGE TN 90

The solid 3, represented in the figure, is composed of:

- A) 8 faces
- B) 5 faces
- C) 4 faces
- D) 10 faces
- E) 6 faces

783 Answer the following question concerning IMAGE TN 90

The solid 4, represented in the figure, is composed of:

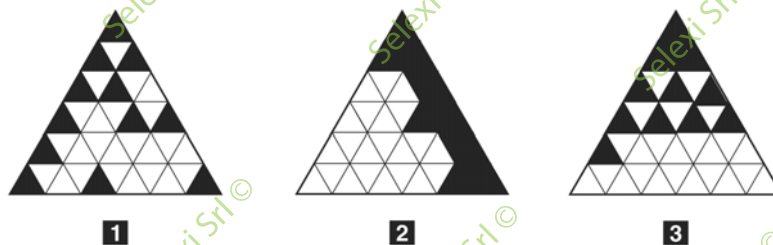
- A) 12 faces
- B) 8 faces
- C) 10 faces
- D) 14 faces
- E) 16 faces

784 Answer the following question concerning IMAGE TN 90

The solid 2, represented in the figure, is composed of:

- A) 12 faces
- B) 9 faces
- C) 8 faces
- D) 7 faces
- E) 10 faces

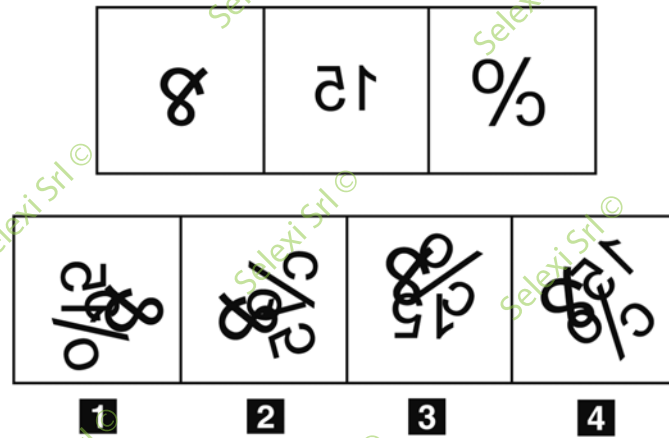
IMAGE TN 94



785 Answer the following question concerning IMAGE TN 94

Which of the following statements concerning the three shapes is correct?

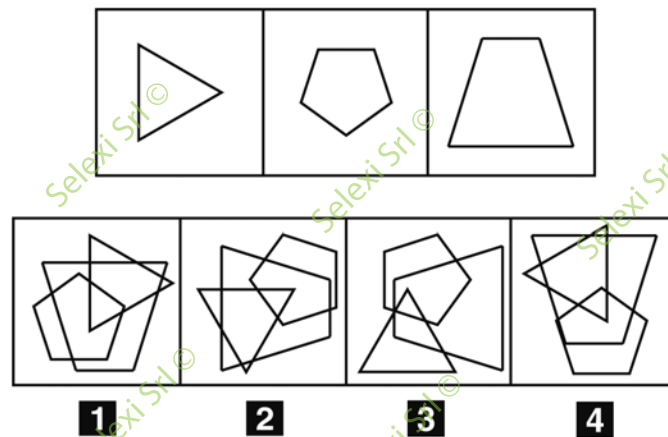
- A) Triangle 3 contains fewer white small triangles than triangle 1
- B) Triangle 3 contains fewer black small triangles than triangle 1, but more than triangle 2
- C) Triangle 2 contains more white small triangles than triangle 3, but fewer than triangle 1
- D) None of the other answers is correct
- E) Triangle 2 contains fewer white small triangles than triangle 3

IMAGE TN 95

786 Answer the following question concerning IMAGE TN 95

Which of the following statements, referred to the figures in the numbered boxes, is correct?

- A) Box 2 contains the three figures rotated 180 °
- B) Box 3 contains the three figures reflected on the horizontal axis
- C) Box 4 contains the three figures rotated 315° clockwise
- D) Box 1 contains the three figures rotated 90 ° clockwise
- E) None of the other options is correct

IMAGE TN 98

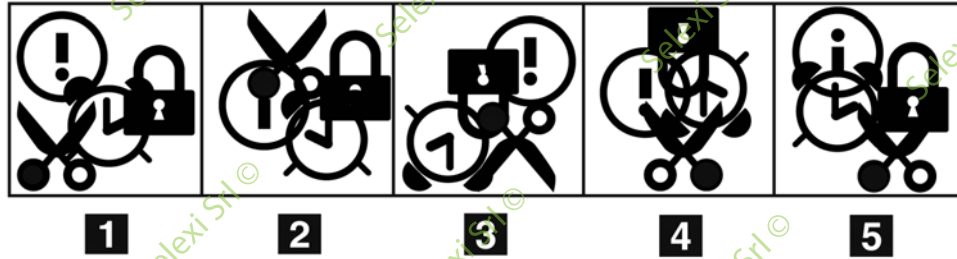
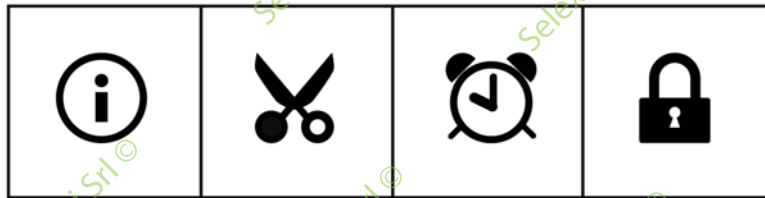
787 Answer the following question concerning IMAGE TN 98

Which of the following statements, referred to the figures in the enumerate boxes, is correct?

- A) Box 4 contains the three figures reflected on the horizontal axis
- B) Box 2 contains the three figures after a 180° rotation
- C) Box 3 contains the three figures after a 90° counter-clockwise rotation
- D) Box 3 contains only one of the three figures after a counter-clockwise rotation
- E) Box 1 contains the three figures reflected on the horizontal axis

IMAGE TP 01

The enumerate boxes contains all the figures given rotated, mirrored or overlapping.



788 Answer the following question concerning IMAGE TP 01

With reference to the enumerate figures, which of the following statements is correct?

- A) In figure 2 all the elements are mirrored horizontally
- B) In figure 5 all the elements are mirrored on the vertical axis
- C) In figure 3 only one original element is mirrored on the horizontal axis
- D) In figure 1 at least one element is mirrored on his vertical axis
- E) In figure 5 only two original elements are mirrored on the horizontal axis

789 Answer the following question concerning IMAGE TP 01

Which of the enumerate figures contains all the original elements mirrored on the horizontal axis?

- A) Figure 3
- B) Figure 1
- C) Figure 2
- D) Figure 4
- E) Figure 5

790 Answer the following question concerning IMAGE TP 01

With reference to figure 5, which of the following statements is correct?

- A) The scissors and the alarm clock are mirrored on the same axis
- B) The lock is the only element mirrored on the vertical axis
- C) The Scissors are mirrored
- D) None of the other answers is correct
- E) It contains al least three mirrored elements

791 Answer the following question concerning IMAGE TP 01

Which of the enumerate figures contains all the original elements mirrored on the vertical axis?

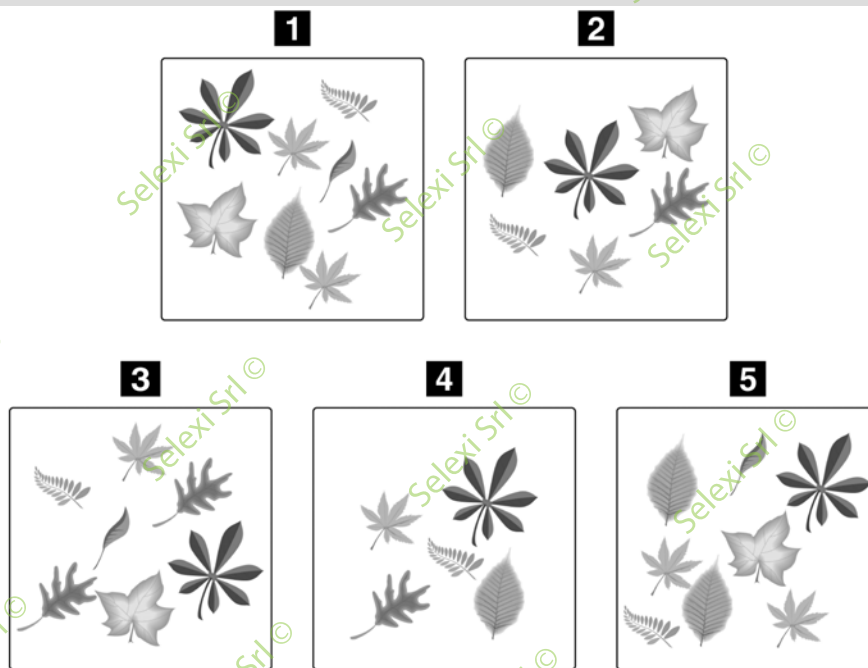
- A) None of the figures
- B) Figure 1
- C) Figure 4
- D) Figure 5
- E) Figure 2

792 Answer the following question concerning IMAGE TP 01**With reference to the enumerate figures, which of the following statements is correct?**

- A) In figure 4 only one element is mirrored on horizontal axis
- B) In figure 2 no elements are mirrored on the horizontal axis
- C) In figure 3 only two original elements are mirrored on the vertical axis
- D) In figure 1 all the original element are mirrored on horizontal axis
- E) In figure 2 all the original elements are mirrored horizontally

793 Answer the following question concerning IMAGE TP 01**With reference to the enumerate figures, which of the following statements is correct?**

- A) In figure 4 all the original elements are mirrored on the vertical axis
- B) In figure 3 all the original elements are mirrored on the horizontal axis
- C) In figure 1 no original elements are mirrored on the vertical axis
- D) In figure 5 all the original elements are mirrored on the horizontal axis
- E) In figure 5 all the original elements are mirrored horizontally

IMAGE TP 02**794 Answer the following question concerning IMAGE TP 02****With reference to the figures, which of the following statements is NOT correct?**

- A) Figure 2 contains all different elements
- B) Figure 5 contains four elements equal in pairs of two
- C) Figure 4 contains all different elements
- D) Figure 1 contains two equal element
- E) Figure 3 contains all the elements of the figure 2

IMAGE TP 03

795 Answer the following question concerning IMAGE TP 03

Find the figure that does NOT fit in.

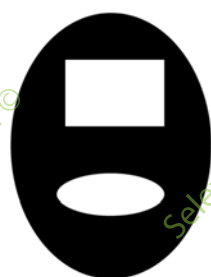
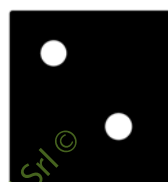
- A) Figure 4
- B) Figure 1
- C) Figure 2
- D) Figure 3
- E) Figure 5

IMAGE TP 04

796 Answer the following question concerning IMAGE TP 04

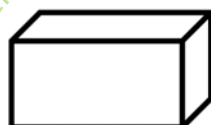
Find the figure that does NOT fit in.

- A) Figure 1
- B) Figure 4
- C) Figure 3
- D) Figure 2
- E) Figure 5

IMAGE TP 05**1****2****3****4****5**

797 Answer the following question concerning IMAGE TP 05
Find the figure that does NOT fit in.

- A) Figure 4
- B) Figure 1
- C) Figure 3
- D) Figure 5
- E) Figure 2

IMAGE TP 06**1****2****3****4****5**

798 Answer the following question concerning IMAGE TP 06
Find the figure that does NOT fit in.

- A) Figure 5
- B) Figure 1
- C) Figure 2
- D) Figure 3
- E) Figure 4

IMAGE TP 13**1****2****3****4****5**

799 Answer the following question concerning IMAGE TP 13

Find the figure that does NOT fit in.

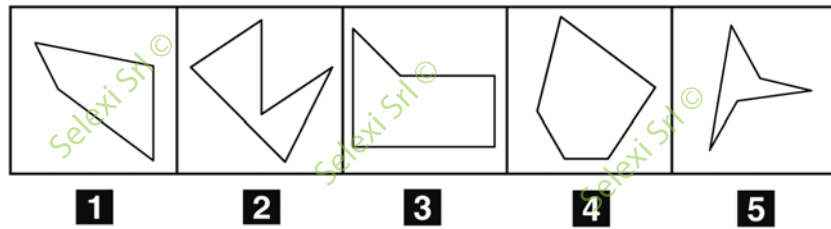
- A) Figure 2
- B) Figure 1
- C) Figure 3
- D) Figure 4
- E) Figure 5

IMAGE TP 18**1****2****3****4****5**

800 Answer the following question concerning IMAGE TP 18

Find the figure that does NOT fit in.

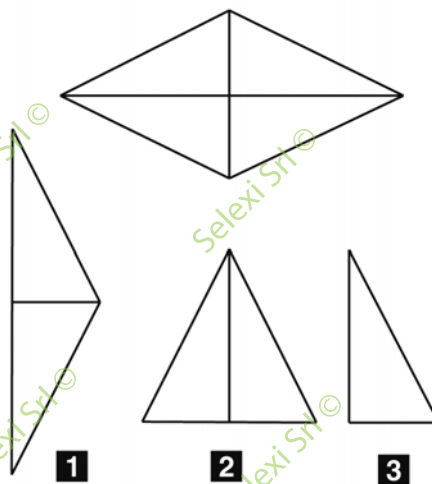
- A) Figure 1
- B) Figure 3
- C) Figure 2
- D) Figure 4
- E) Figure 5

IMAGE TP 22

801 Answer the following question concerning **IMAGE TP 22**

Find the figure that does **NOT** fit in.

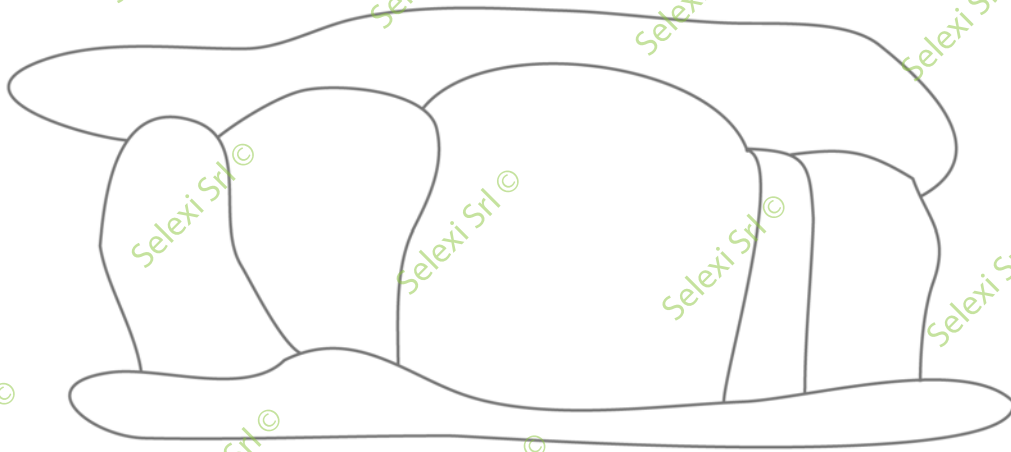
- A) Figure 2
- B) Figure 3
- C) Figure 1
- D) Figure 4
- E) Figure 5

IMAGE TP 26

802 Answer the following question concerning **IMAGE TP 26**

Using fragments 1, 2 and 3 is possible to obtain the rhombus in the figure. Fragments could be rotated and overturn, but it is possible to use them in the same time only twice. In how many ways is possible to build the rhombus?

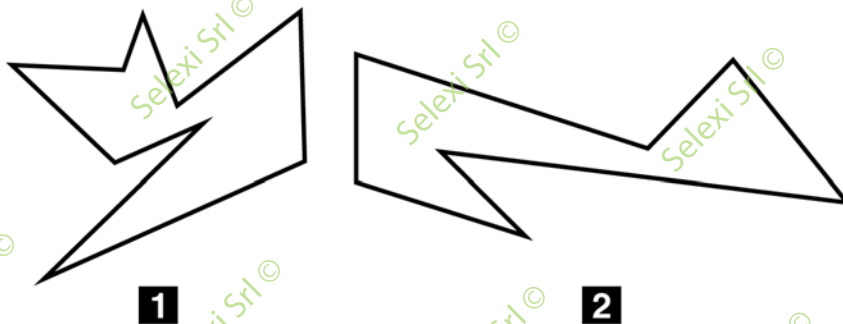
- A) 4
- B) 7
- C) 6
- D) 3
- E) 2

IMAGE TP 32

803 Answer the following question concerning **IMAGE TP 32**

How many colours are needed to colour the given figure in order for two bordering territories to have different colours?

- A) 7
- B) 5
- C) 2
- D) 3
- E) 4

IMAGE TP 41

804 Answer the following question concerning **IMAGE TP 41**

The ratio of figure 1 to 162 is the same as the ratio of figure 2 to:

- A) 108
- B) 119
- C) 133
- D) 238
- E) 126

805 Answer the following question concerning **IMAGE TP 41**

The ratio of figure 1 to 180 is the same as the ratio of figure 2 to:

- A) 133
- B) 147
- C) 140
- D) 266
- E) 120

806 Answer the following question concerning IMAGE TP 41

The ratio of figure 1 to 189 is the same as the ratio of figure 2 to:

- A) 126
 - B) 140
 - C) 154
 - D) 280
 - E) 147
-

807 Answer the following question concerning IMAGE TP 41

The ratio of figure 1 to 225 is the same as the ratio of figure 2 to:

- A) 182
 - B) 168
 - C) 175
 - D) 336
 - E) 150
-

808 Answer the following question concerning IMAGE TP 41

The ratio of figure 1 to 243 is the same as the ratio of figure 2 to:

- A) 182
 - B) 189
 - C) 196
 - D) 364
 - E) 162
-

809 Answer the following question concerning IMAGE TP 41

The ratio of figure 1 to 252 is the same as the ratio of figure 2 to:

- A) 196
 - B) 189
 - C) 203
 - D) 378
 - E) 168
-

810 Answer the following question concerning IMAGE TP 41

The ratio of figure 1 to 171 is the same as the ratio of figure 2 to:

- A) 252
 - B) 126
 - C) 140
 - D) 133
 - E) 114
-

811 Answer the following question concerning IMAGE TP 41

The ratio of figure 1 to 90 is the same as the ratio of figure 2 to:

- A) 126
 - B) 77
 - C) 60
 - D) 80
 - E) 70
-

812 Answer the following question concerning IMAGE TP 41

The ratio of figure 1 to 117 is the same as the ratio of figure 2 to:

- A) 98
- B) 84
- C) 91
- D) 168
- E) 78

813 Answer the following question concerning IMAGE TP 41

The ratio of figure 1 to 81 is the same as the ratio of figure 2 to:

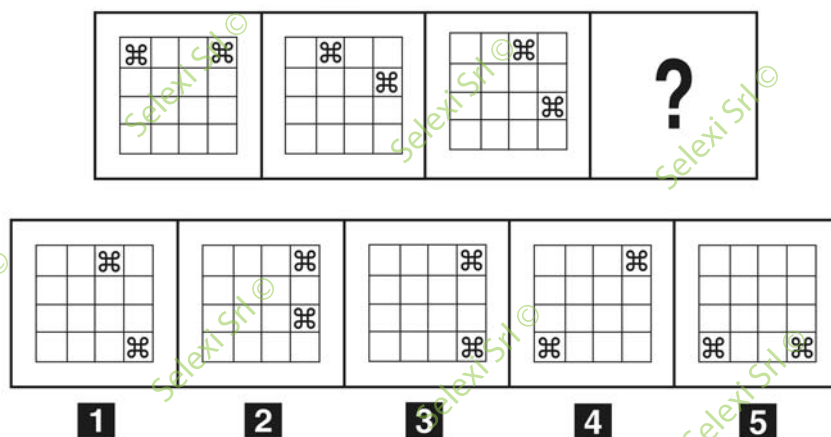
- A) 56
- B) 63
- C) 70
- D) 112
- E) 54

814 Answer the following question concerning IMAGE TP 41

The ratio of figure 1 to 207 is the same as the ratio of figure 2 to:

- A) 161
- B) 154
- C) 168
- D) 308
- E) 138

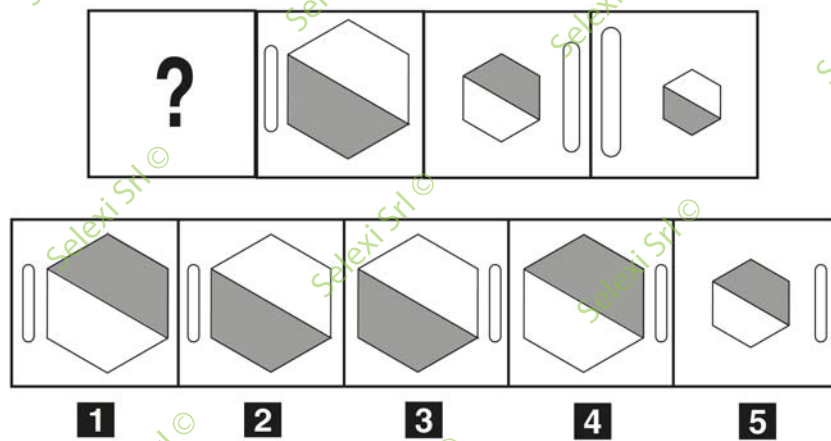
IMAGE TP 46



815 Answer the following question concerning IMAGE TP 46

Find the figure that correctly completes the series.

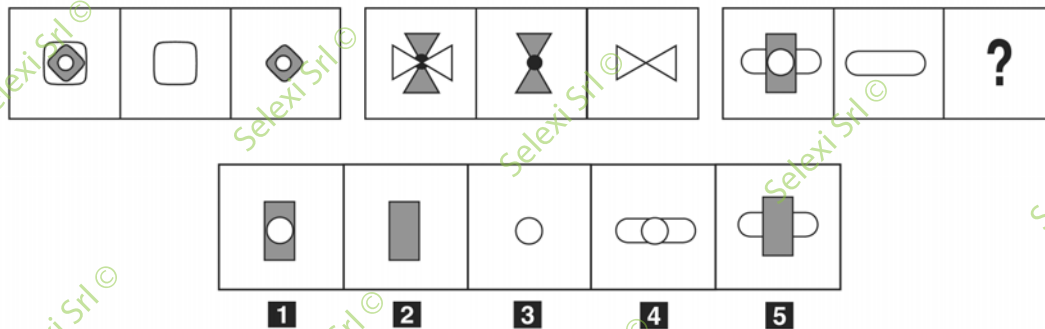
- A) Figure 5
- B) Figure 1
- C) Figure 2
- D) Figure 4
- E) Figure 3

IMAGE TP 48

816 Answer the following question concerning **IMAGE TP 48**

What is the first figure of the series?

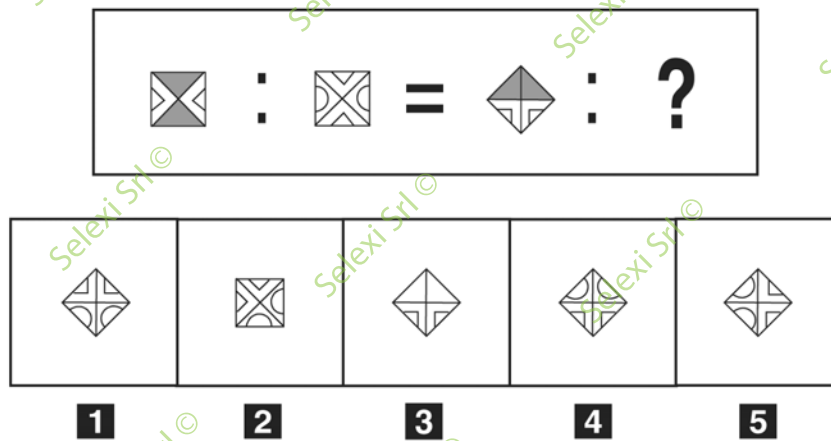
- A) Figure 3
- B) Figure 2
- C) Figure 4
- D) Figure 1
- E) Figure 5

IMAGE TP 50

817 Answer the following question concerning **IMAGE TP 50**

Find the figure that completes the series.

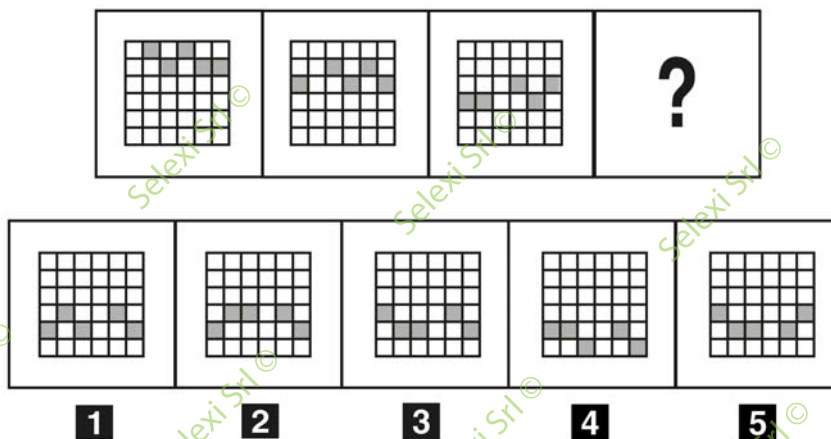
- A) Figure 3
- B) Figure 4
- C) Figure 2
- D) Figure 1
- E) Figure 5

IMAGE TP 53

818 Answer the following question concerning IMAGE TP 53

Find the figure that completes the series.

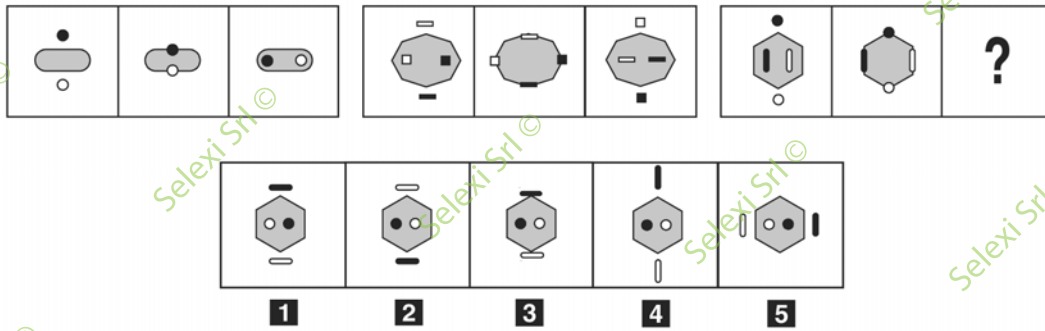
- A) Figure 2
- B) Figure 3
- C) Figure 1
- D) Figure 5
- E) Figure 4

IMAGE TP 56

819 Answer the following question concerning IMAGE TP 56

Find the figure that completes the series.

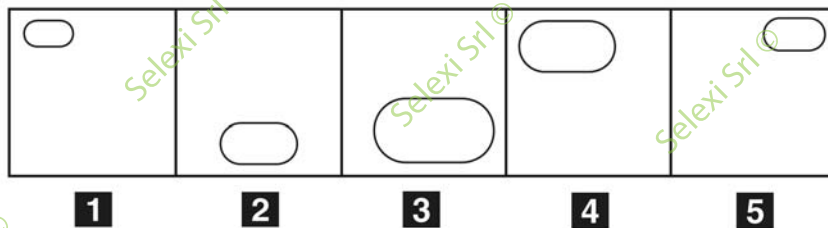
- A) Figure 5
- B) Figure 3
- C) Figure 1
- D) Figure 4
- E) Figure 2

IMAGE TP 57

820 Answer the following question concerning IMAGE TP 57

Find the figure that completes the series.

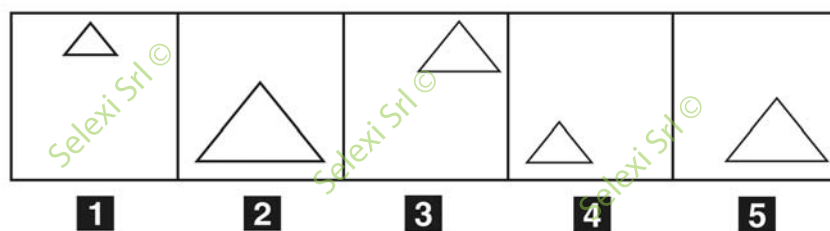
- A) Figure 5
- B) Figure 2
- C) Figure 1
- D) Figure 3
- E) Figure 4

IMAGE TP 62

821 Answer the following question concerning IMAGE TP 62

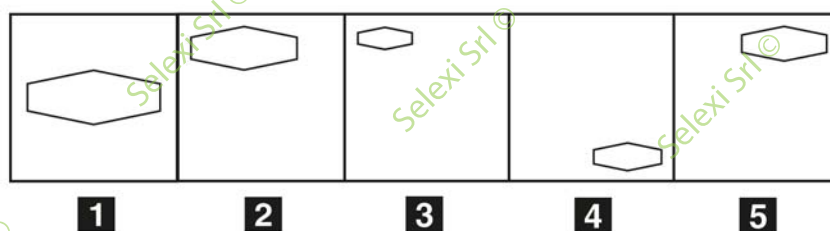
Place the figures in increasing order.

- A) 1-2-5-4-3
- B) 1-5-2-3-4
- C) 1-5-2-4-3
- D) 1-5-4-2-3
- E) 1-3-4-5-2

IMAGE TP 63

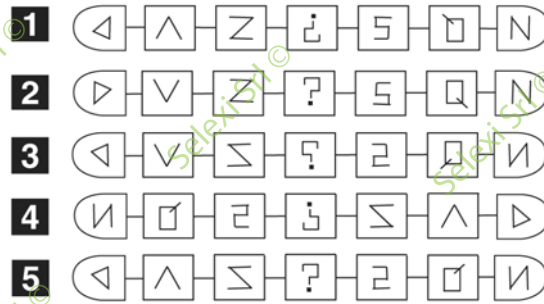
822 Answer the following question concerning IMAGE TP 63
Place the figures in decreasing order of area.

- A) 1-4-5-3-2
- B) 1-3-4-5-2
- C) 1-4-3-2-5
- D) 2-5-3-4-1
- E) 2-1-4-3-5

IMAGE TP 64

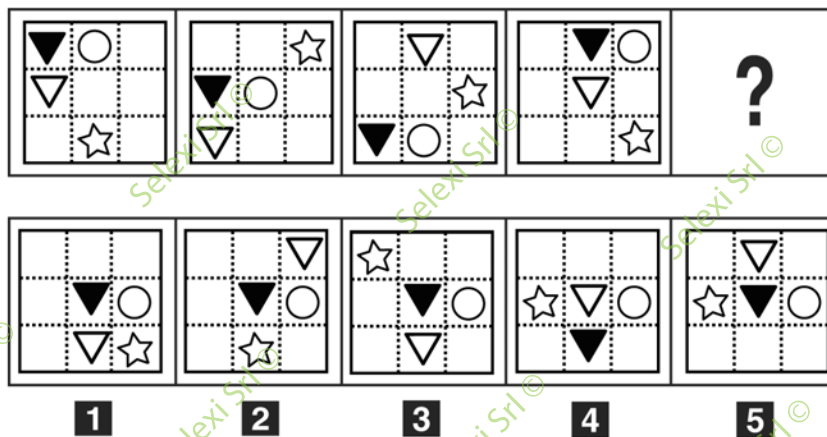
823 Answer the following question concerning IMAGE TP 64
Place the figures in decreasing order of area.

- A) 3-5-4-2-1
- B) 3-4-5-1-2
- C) 3-4-2-5-1
- D) 1-3-2-5-4
- E) 1-2-5-4-3

IMAGE TP 70

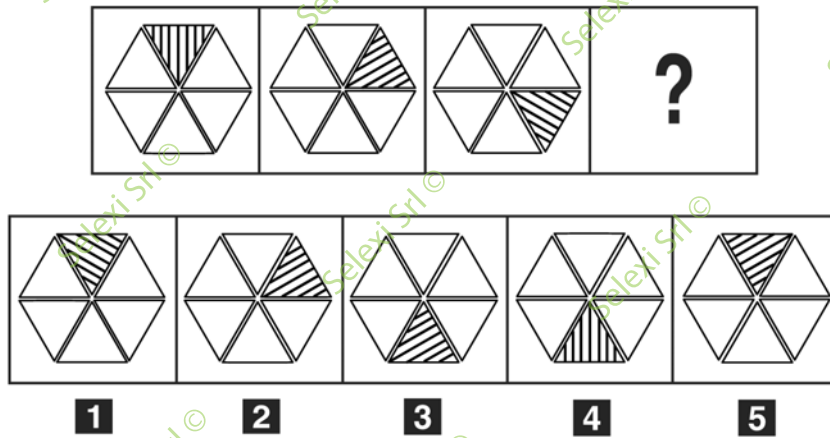
824 Answer the following question concerning IMAGE TP 70
How could be appear the given image reflected on the vertical axis?

- A) As in figure 3
- B) As in figure 1
- C) As in figure 2
- D) As in figure 4
- E) As in figure 5

IMAGE TP 73

825 Answer the following question concerning IMAGE TP 73
Find the figure that completes the series.

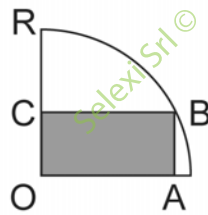
- A) Figure 2
- B) Figure 1
- C) Figure 4
- D) Figure 3
- E) Figure 5

IMAGE TP 75

826 Answer the following question concerning IMAGE TP 75

Find the figure that completes the series.

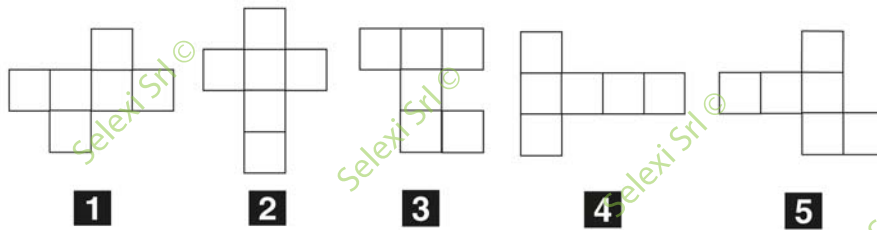
- A) Figure 5
- B) Figure 1
- C) Figure 2
- D) Figure 4
- E) Figure 3

IMAGE TP 77

827 Answer the following question concerning IMAGE TP 77

By observing carefully the figure, it can be deduced that the segment AC is equal to:

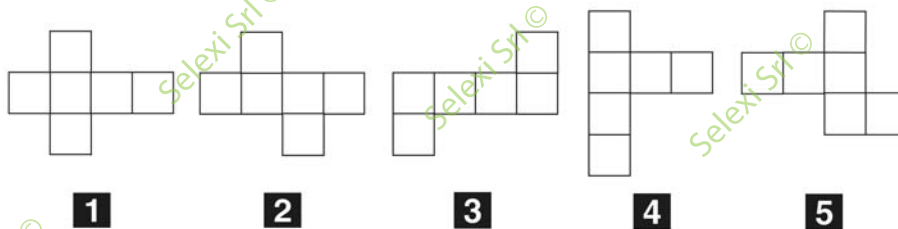
- A) segment AB
- B) half-sum of segments OA and OC
- C) segment OA
- D) segment OR
- E) the double of the segment OC

IMAGE TP 82

828 Answer the following question concerning IMAGE TP 82

Which of the drawings given will NOT represent the development of a cube?

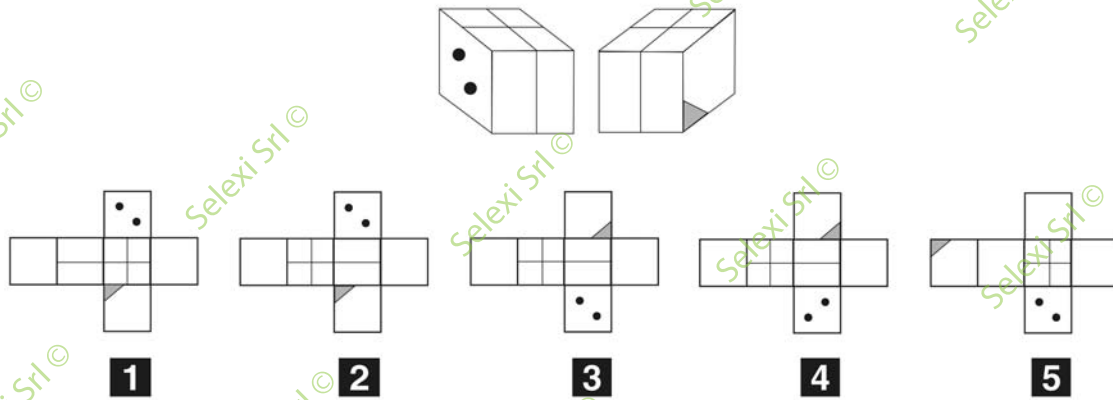
- A) Drawing 1
- B) Drawing 4
- C) Drawing 5
- D) Drawing 2
- E) Drawing 3

IMAGE TP 83

829 Answer the following question concerning IMAGE TP 83

Which of the nets given will NOT form a cube?

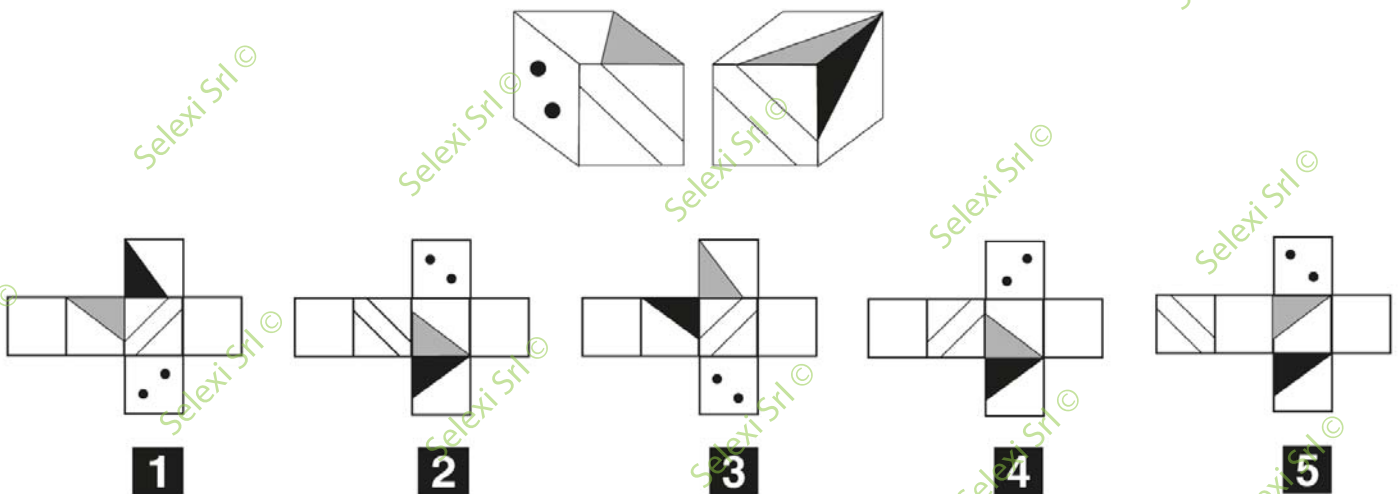
- A) Number 3
- B) Number 1
- C) Number 5
- D) Number 2
- E) Number 4

IMAGE TP 88

830 Answer the following question concerning **IMAGE TP 88**

In the figure there are two different perspective frontal views of the same cube. The development of the cube is the one in figure:

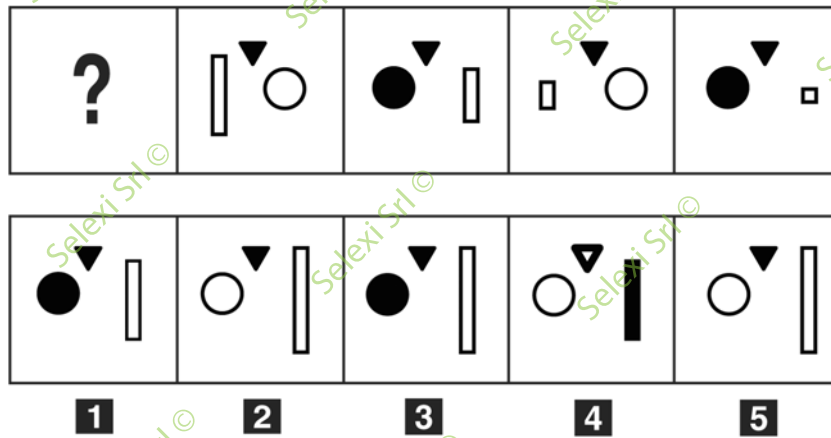
- A) 5
- B) 2
- C) 3
- D) 1
- E) 4

IMAGE TP 89

831 Answer the following question concerning **IMAGE TP 89**

In the figure there are two different perspective frontal views of the same cube. The development of the cube is the one in figure:

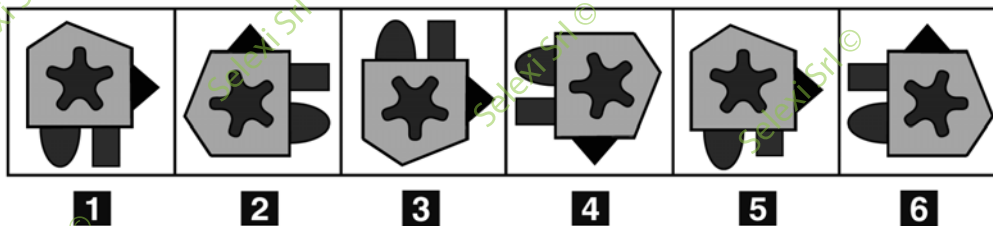
- A) 5
- B) 1
- C) 3
- D) 4
- E) 2

IMAGE TP 97

832 Answer the following question concerning **IMAGE TP 97**

Which is the first element of the series?

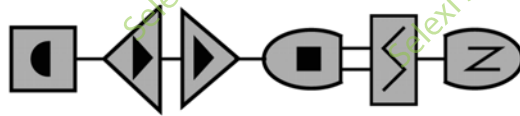
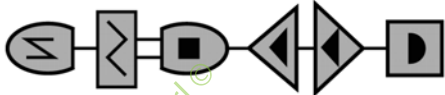
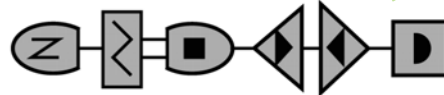
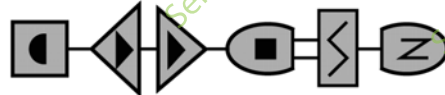
- A) Figure 2
- B) Figure 3
- C) Figure 1
- D) Figure 4
- E) Figure 5

IMAGE TR 10

833 Answer the following question concerning **IMAGE TR 10**

Considering the six figures, which of the following statements is correct?

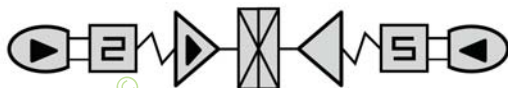
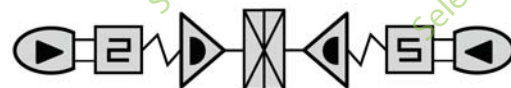
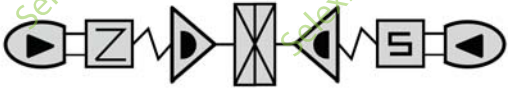
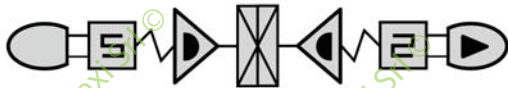
- A) Figure 1 after a 90° counter-clockwise rotation is the same as figure 4
- B) Figure 5 is the same as figure 1
- C) Figure 1 after a 90° anticlockwise rotation and reflected on the horizontal axis is the same as figure 6
- D) Figure 2 after a 90° anticlockwise rotation is the same as figure 3
- E) Figure 3 after a 180° rotation is the same as figure 6

IMAGE TR 21**A****B****C****D****E**

834 Answer the following question concerning **IMAGE TR 21**

Which of the numbered figures corresponds to the mirror image of the figure above?

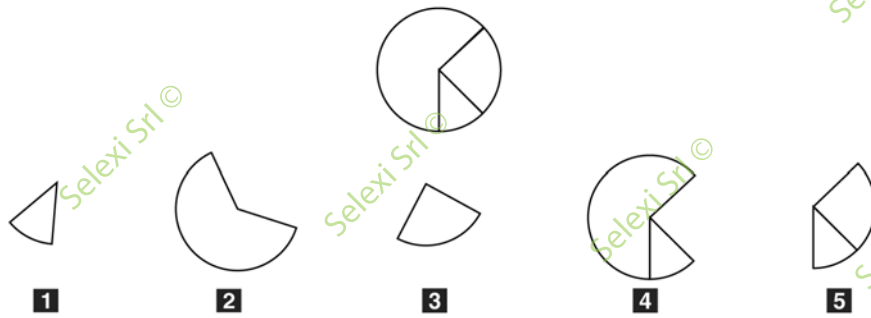
- A) Figure B
- B) Figure D
- C) Figure C
- D) Figure A
- E) Figure E

IMAGE TR 22**A****B****C****D****E**

835 Answer the following question concerning **IMAGE TR 22**

Which of the given figures, if reflected in a mirror, remains the same?

- A) Figure A
- B) Figure E
- C) Figure C
- D) Figure B
- E) Figure D

IMAGE TR 32

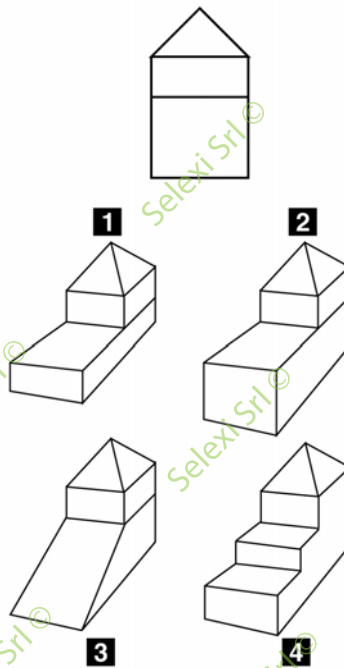
836 Answer the following question concerning IMAGE TR 32

How many combinations of the fragments 1 to 5 can be used to reassemble the whole figure?

- A) Four
- B) One
- C) Five
- D) Three
- E) Two

IMAGE TR 56

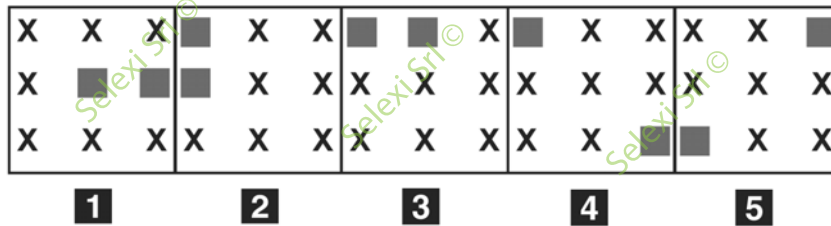
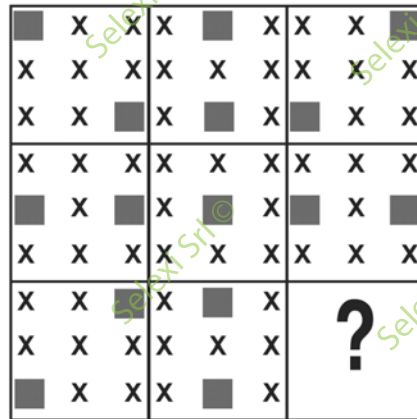
The drawing in the figure represent the side view of a solid.



837 Answer the following question concerning IMAGE TR 56

The solid/solids compatible with this view could be:

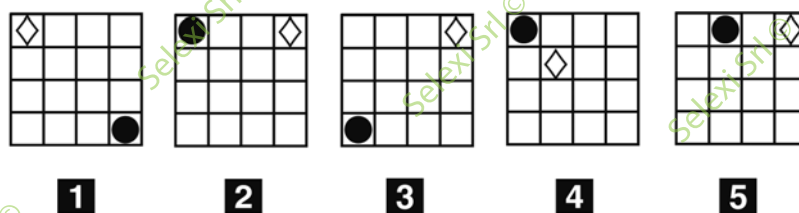
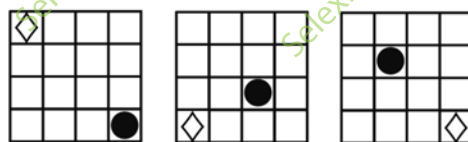
- A) solid 4
- B) only solid 2
- C) only solid 3
- D) solids 1 and 3
- E) solids 2 and 3

IMAGE TR 70

838 Answer the following question concerning IMAGE TR 70

Find the figure that completes the series.

- A) Figure 2
- B) Figure 5
- C) Figure 3
- D) Figure 1
- E) Figure 4

IMAGE TR 71

839 Answer the following question concerning IMAGE TR 71

Choose the figure that correctly completes the given series.

- A) Figure 1
- B) Figure 3
- C) Figure 4
- D) Figure 2
- E) Figure 5

840 Find the option that contains a sequence that is identical to: BPBPBBBBBPBPPB.

- A) BPBPBBBBBPBPPB
- B) BPBPBBPPBBPPB
- C) BPBPBBBBBPBPPB
- D) BBBPBBBBBPBPPB
- E) BPBPBBBBBPBPPP

841 Which of the following sequences follows a "vowel-consonant" alternation rule?

- A) EZUTAWEXIKOQOPEMALER
- B) EZUTAWBXIKOQOPEMALER
- C) EZUTAWEXIKOAOPEMALER
- D) EZUTAWBXIKOQOPQMALER
- E) EZUTAWEXXKOAOPEMALER

842 Find the option where the elements of the following sequence are inverted: ZLZLZZLZ.

- A) ZZLLZZLZ
- B) LZZZLZLZ
- C) ZLZZLZLZ
- D) ZLZZZLLZ
- E) ZLZLZZLZ

843 Choose the sequence where the group of letters "ORND" only appears once in this very order.

- A) STRNODORNDORRDNTSRNR
- B) STRNODORMDORRDNTSRNR
- C) SORNDDORNDORNDNTSRNR
- D) STRNODORNDORNDNTSRNR
- E) STRNODORMDORODNTSRNR

844 Choose the option where letter E appears a greater number of times than letter F.

- A) EEEFFFEFFFEFEFEFR
- B) REEFFEEFEFFFEFEFE
- C) EFFEFFREEFFFEFEFE
- D) EEEFFFEFEFEFFFR
- E) EEEEEFFFRFEFEFR

845 In which of the following sequences one letter appears exactly 5 times?

- A) XZQQZXXXZZWZ
- B) VCVVCVVCC
- C) EJQJJQMBMZEEB
- D) NMEMMMEVCVWNNC
- E) XQQQZXXXZZWZ

846 Find the sequence that differs from HEEHEEHEEHHEEHE.

- A) HEEHEEHEEHHEEHE
- B) HEEHEEHEEHHEEHE
- C) HEEHEEHEEHHEEHE
- D) HEEHEEHEEHHEEHE
- E) HEEHEEHEEHHEEHE

847 Given the sequence
GGGFFFHFFGHTggwertllmmggg
decide which of the following options correctly reproduces it when inserted in the gap:
"GGGFFFH...llmmggg".

- A) FFGTHggwert
- B) FGFHTggwert
- C) FHTFGwertgg
- D) FFGHTggwert
- E) FHTFGrtggwe

848 Given the sequence
NHJKIHJKXCCHTthccxpplomh
decide which of the following options correctly reproduces it when inserted in the gap:
"NHJKIHJK...pplomh".

- A) XCCHTthccx
- B) CXCHThtccx
- C) CccXChtxHT
- D) CccHTXChtx
- E) XCHCTtch

849 Choose the option where letter V appears a greater number of times than letter A.

- A) VAAVAVAAVAAVV
- B) VVAAVAVAVAVAVV
- C) AVAVAAVAVAAVVV
- D) AA AVAVAVVAAVVV
- E) AAVAVAVAAVAVVA

850 Choose the option where letter O appears a greater number of times than letter C.

- A) COCOOOOCCCCOCC
- B) COCCCCOCOCCOCO
- C) CCOCOOOCOOCOCC
- D) OCCCOCOCCCCOOO
- E) CCOOCCOCOOCOCCO

851 Choose the option where letter P appears the greatest number of times.

- A) PQGPPHPQPPPPPPGP
- B) PQPQPPHGPPPHPHPP
- C) PQPHPPHPPPPPGPP
- D) PPGHPQPPHGGPPPGP
- E) PPPQPPPHPPPHPPG

852 Choose the option with the the greatest number of Cs.

- A) CNCOCNCNCCCNCCCN
- B) OCCNCCCNCCOCCNCN
- C) CNOCNCONCCNOCC
- D) CCNCCOCCCNCCCCO
- E) CCCNCCOCCCNCCCCO

853 Choose the sequence where the group of letters "MLOK" only appears once in this very order.

- A) SDFGTHGMLOKUHYGTFRDE
 - B) SDFGTHGMLOLUHYGTFRDE
 - C) SDFGTHGOKMLUHYGTFRDE
 - D) SDFGTHGALOKUHYGTFRDE
 - E) SDFGTHLOKULMOTFKRHYE
-

854 Choose the sequence where the group of letters "ijkl" only appears once in this very order.

- A) ijklkijklbghkkj
 - B) ijklkijklbghkkj
 - C) ijkkmmjjnh
 - D) ijkkmjnhijklbghkkj
 - E) ijklbijklgh
-

855 Find the option where the elements of the following sequence are inverted: UHUHUUHU.

- A) UHUUUHHU
 - B) UHUHUUHU
 - C) UHUUHUUHU
 - D) HHUUHUHU
 - E) UHUHHUUHU
-

856 Find the option where the elements of the following sequence are inverted: GHGHGGHG.

- A) GHGGGHHG
 - B) GHGHGGHG
 - C) GHGGHGHG
 - D) GGHGHGHG
 - E) GHGHGHGH
-

857 Find the only sequence that is identical to NNMMNMNNMMMN.

- A) NNMMNMNNMMMN
 - B) NNNMMNMNNMMMN
 - C) NNMNMNMNNMMMN
 - D) NNMMMNNNNMMMN
 - E) NNMMNMNMNNMMM
-

858 Which of the following sequences follows a "vowel-consonant" alternation rule?

- A) abepidicepidicwgopiw
 - B) abepidicepidicigopiw
 - C) abepidicigopiw
 - D) abepidiceigopiw
 - E) abepidicigopiw
-

859 Which of the following sequences follows a "vowel-consonant" alternation rule?

- A) oparicetigesazxpatec
 - B) oparicetigesazopatec
 - C) oparicetzopatec
 - D) oparicetiopatec
 - E) oparicetigeszopatec
-

860 In which of the following sequences one letter appears exactly 5 times?

- A) None of the other options is correct
 - B) YYQUUQTTQQTUU
 - C) OLOLPOOPPLLP
 - D) LQUUQTTQQTUU
 - E) YYIWYYIYYIWIIW
-

861 In which of the following sequences one letter appears exactly 5 times?

- A) OJJWWJOWOOJW
 - B) ZZMHMZMHZM
 - C) AANNXXANXXNA
 - D) JWJKJWJKKWWK
 - E) None of the other options is correct
-

862 Find the sequence that differs from SYSSYYSSYSSYS.

- A) SYSSYYYSSYSSYS
 - B) SYSSYYSSYSSYS
 - C) SYSSYYSSYSSYS
 - D) SYSSYYSSYSSYS
 - E) SYSSYYSSYSSYS
-

863 Find the sequence that differs from HGHGHHGHHHGHGHH.

- A) HGHGHHGHHHGHGHH
 - B) HGHGHHGHHHGHGHH
 - C) GGHGHHGHHGHHGHH
 - D) HGHGHHGHHHGHGHH
 - E) HGHGHHGHHHGHGHH
-

864 Find the option that differs from:

Dewey Anthony, 10 Abbey Road, Epping CM16 6LX

Merrickson Michelle, 23 Queen Mary Avenue, Portsmouth PO5 3LJ

Bryce Susan, 79 Windsor Avenue, Bristol BS1 4LH

- A) Bryce Susan, 79 Windsor Avenue, Bristol BS1 4LH
 - B) Merrickson Michael, 23 Queen Mary Avenue, Portsmouth PO5 3LJ
 - C) Merrickson Michelle, 23 Queen Mary Avenue, Portsmouth PO5 3LJ
 - D) Dewey Anthony, 10 Abbey Road, Epping CM16 6LX
 - E) None of the other options differs from the model
-

865 Find the option that differs from:

Poole Stephanie, 10 Cabot Road, Salisbury SP1 1HJ

Sharro Elizabeth, 6 Redhouse Street, Minchinhampton GL6 9EY

Wyndham Patricia, 9 St. Andrew Square, Edinburgh EH2 1AF

- A) Wyndham Patrick, 9 St. Andrew Square, Edinburgh EH2 1AF
 - B) Poole Stephanie, 10 Cabot Road, Salisbury SP1 1HJ
 - C) Sharro Elizabeth, 6 Redhouse Street, Minchinhampton GL6 9EY
 - D) Wyndham Patricia, 9 St. Andrew Square, Edinburgh EH2 1AF
 - E) None of the other options differs from the model
-

- 866 Find the option that differs from:
Lockwood Mary Elizabeth, 27 Ben Jonson Street, Maidenhead SL6 6DH
Price Lauren, 119 Wellington Street, Clacton-on-Sea CO15 1LU
Wojtala Marlena, 62 Nelson Road, Royal Tunbridge Wells TN1 1RS
A) Wojtala Marlena, 62 Nelson Road, Royal Tunbridge Wells TN1 1RS
B) Lockwood Mary Elizabeth, 27 Ben Jonson Street, Maidenhead SL6 6DH
C) Price Lauren, 119 Wellington Street, Clacton-on-Sea CO15 1LU
D) Lockwood Mary Elizabeth, 27 Ben Jonson Street, Margate SL6 6DH
E) None of the other options differs from the model
- 867 Which of the following sequences follows a "vowel-consonant" alternation rule?
A) odanexazmupekat
B) odanexazenexazwpekat
C) odaneoxazenxazupekat
D) odanexazenexazupekat
E) odanexazeupekat

- 868 Choose the option where letter E appears the greatest number of times.
A) FFEFMNFEFFEEFLFE
B) FEEFMFFEEFEFFLFE
C) HFFEFEEFFFEETFFEFM
D) FFEFMFFEEFEFFLFE
E) FFEFEFFHFEEFFEFEI

- 869 In which of the following sequences one letter appears exactly 5 times?
A) JJWWWJSSJWSS
B) PXPAPXPAAXXA
C) OPOXOPOXXPPX
D) KUUWWKWUKKU
E) POXXPOOPXXPO

- 870 Choose the option where letter Y appears a greater number of times than letter T.
A) TTYTYTYTTTY
B) TTYTTYTYTTY
C) YTTYTYTTYTY
D) TYTYTTYTYTTY
E) TYTTYTYTYTY

- 871 Given the sequence
JDCHS67SCD67DC98D
decide which of the following sequences correctly reproduces it when added to: **JDCHS67**
A) SDC67DC98D
B) SCD67DC98D
C) SCD67D98D
D) 7SCD67DC98D
E) SCS67DC98D

-
- 872 Find the option that differs from:**
Taylor Alex, 27 St. Stephen's Lane, Ipswich, IP1 1DP
Mason Max, 34/36 Christchurch Road, Windsor SL4 1DD
O'Neill Anna, Grosvenor Square, Bournemouth BH2 5SX
Redford Martin, Merlin Crescent, Swansea SA1 7FR
A) Taylor Alex, 277 St. Stephen's Lane, Ipswich, IP1 1DP
B) O'Neill Anna, Grosvenor Square, Bournemouth BH2 5SX
C) Taylor Alex, 27 St. Stephen's Lane, Ipswich, IP1 1DP
D) Mason Max, 34/36 Christchurch Road, Windsor SL4 1DD
E) Redford Martin, Merlin Crescent, Swansea SA1 7FR
-
- 873 Find the option where the elements of the following sequence are inverted: WMWMWMMW.**
A) WMMWWMW
B) WMWMWMMW
C) WMWWMWMMW
D) WMMWWMWMMW
E) WWMWMMWMMW
-
- 874 Find the only sequence that is identical to XYXYXXYYXY.**
A) XYXYXXYYXY
B) XYXYXXYYXX
C) XYXYXXYYXY
D) XYXYXXYYXY
E) XYXYXXYYXY
-
- 875 In which of the following sequences one letter appears exactly 5 times?**
A) None of the other options is correct
B) BBDVVDNDDNVV
C) XFXFZXZZFFZ
D) FDVVDNDDNVV
E) BBCSBBCBBCSCCS
-
- 876 Choose the option where letter Y appears a greater number of times than letter J.**
A) JJYYYJJYYJJY
B) JYJJYYJJYJYJY
C) YJJJYYYJYJYY
D) YJJYYJJYYJJYJY
E) JJYYYJJYYJYJYJ
-
- 877 Which of the following sequences follows a "vowel-consonant" alternation rule?**
A) EFIDATAQFAFABEL
B) EFIDATAQEFATECSFABEL
C) EFIDATQEFATECAFABEL
D) EFIDATAQEAFABEL
E) EFIDATAQEFATECAFABEL
-

- 878 Given the sequence
HS78DC0SDCGSTA45A
decide which of the following sequences correctly reproduces it when added to: **HS78DC0**
- A) SDCGST45A
 - B) 9SDCGSTA45A
 - C) SDFGSTA45A
 - D) SDCGSTA54A
 - E) SDCGSTA45A

- 879 Given the sequence
SXDC89DSXDFCG6D7S
decide which of the following sequences correctly reproduces it when added to: **SXDC89D**
- A) SXFFCG6D7S
 - B) 4SXDFCG6D7S
 - C) SXDFCGD7S
 - D) SXDFCG6D7S
 - E) SXEFCG6D7S

- 880 Given the sequence
VVBBGGHHCVVHHffjjkpoioiu
decide which of the following options correctly reproduces it when inserted in the gap:
"VVBBGGHH...poioiu".
- A) jjHHCffkVV
 - B) HHVVCjjffk
 - C) CVVHHffjk
 - D) HHCjjffkVV
 - E) CVVHHffjjk

- 881 Choose the option where letter J appears a greater number of times than letter I.
- A) IIIJIIJJIIJJJ
 - B) JIJIIJJIIJJJ
 - C) JJIJIIJJIIJJ
 - D) IJJIIJJIIJJJ
 - E) IJIIJJIIJJJJ

- 882 Choose the option where letter N appears the greatest number of times.
- A) NNFRNNNNQNNFNRRN
 - B) NFNNNQNFNNNNNNNRN
 - C) NFRNNQNFNNNNNNNRN
 - D) NFFNFNNFNFFNNNF
 - E) NRNFQNNQNNFNNNNN

- 883 In which of the following sequences one letter appears exactly 5 times?
- A) IVIJIVIJVVJ
 - B) ZZMMWWZMWWMZ
 - C) KHHHKHK
 - D) YYLGGLYYLGYL
 - E) NIIVVINVNNIV

884 Choose the sequence where the group of letters “urdf” only appears once in this very order.

- A) ifurdfthgurdfeqthftg
 - B) weghujurdfkoigygrdw
 - C) weghujwestkoigygrdw
 - D) urdhfjudfokrdf
 - E) urdfwesturdfkoigygrdw
-

885 Find the option where the elements of the following sequence are inverted: LPLPLLPL.

- A) LPLLPPPL
 - B) LPLLLPPL
 - C) LPLLPLPL
 - D) LPLPLLPL
 - E) LLPLPLPL
-

886 Find the option that differs from:

Clarkson Michael, 33 Pembley Street, Masham HG4 4EN

Adams Charles, 42 Chester Street, Newbiggin-by-the-Sea, NE646NJ

Peyton Rose, 2 Rollington Street, Warwick CV34 4EW

- A) Peyton Rose, 2 Rollington Street, Warwick CV34 4EW
 - B) Peyton Martin, 2 Rollington Street, Warwick CV34 4EW
 - C) Adams Charles, 42 Chester Street, Newbiggin-by-the-Sea, NE646NJ
 - D) None of the other options differs from the model
 - E) Clarkson Michael, 33 Pembley Street, Masham HG4 4EN
-

887 Find the only sequence that is identical to QZQZZQZQZZQQZ.

- A) QZQZZQZQZZQQZ
 - B) QZQZZQZQZZQQZ
 - C) QZQZZQZZQZZQQZ
 - D) QZQZZQZQZZQQZ
 - E) QZQZZQZQZZQQZ
-

888 In which of the following sequences one letter appears exactly 5 times?

- A) JVCCVVJJVCJC
 - B) None of the other options is correct
 - C) XXGAAXGAAXAAXG
 - D) JHZZHSZSSHZ
 - E) AAHSZHZZHSSHZ
-

889 In which of the following sequences one letter appears exactly 5 times?

- A) WSAWWSASWWAS
 - B) IIMNNMMINNMI
 - C) RAABBARBBARR
 - D) abaoabaoobbo
 - E) ttgegetgteeg
-

890 In which of the following sequences one letter appears exactly 5 times?

- A) efpepfpepfef
 - B) BBQWWQBQBWQW
 - C) YYDAYDAYAADY
 - D) ryvvvyryrvv
 - E) SRYYYRSRRSSY
-

891 Find the sequence that differs from BPPBPBBPBBPBB

- A) BPPBPBBPBBPBB
 - B) PPPBPBBPBBPBB
 - C) BPPBPBBPBBPBB
 - D) BPPBPBBPBBPBB
 - E) BPPBPBBPBBPBB
-

892 Which of the following sequences follows a "vowel-consonant" alternation rule?

- A) ocepekateefatec
 - B) ocepekateraxetwfatec
 - C) ocepekatqefatec
 - D) ocepekateraxetefatec
 - E) ocepeateraxetefatec
-

893 Find the option that differs from:

Bennett Peter Louis, 4 Europe Lane, Gateshead NE11 9EB

Chesterton Antony, 20 Dewey Road, Malham BD23 4DA

Greener Andrew, 51 Avenue Road, London W1T 3BB

- A) Chesterton Antony, 20 Dewey Road, Malham BD23 4DA
 - B) Bennett Peter Louis, 4 Europe Lane, Gateshead NE11 9EB
 - C) Bennett Peter Louis, 4 Europe Lane, Gatcombe NE11 9EB
 - D) Greener Andrew, 51 Avenue Road, London W1T 3BB
 - E) Chesterton Antony, 20 Dewey Road, Malham BD23 4DA
-

894 Find the option that differs from:

Cookson Ronald, 223 Countess of Wessex Street, Talgarth LD3 0PE

Clare Maurice, 4 Vaugh Road, Bicester OX26 1UE

Gleeson Alistair, 14 Tilsit Road, Virginia Water GU25 4QF

- A) Clare Maurice, 4 Vaugh Road, Bicester OX26 1UE
 - B) Cookson Ronald, 223 Countess of Wessex Street, Talgarth LD3 0PE
 - C) Gleeson Alastair, 14 Tilsit Road, Virginia Water GU25 4QF
 - D) Gleeson Alistair, 14 Tilsit Road, Virginia Water GU25 4QF
 - E) Cookson Ronald, 223 Countess of Wessex Street, Talgarth LD3 0PE
-

895 Find the option that differs from:

Selikirk Michael, 102 Waverley Street, Liverpool L2 7LQ

Sealman Julian, 12/B St. David Street, Edinburgh EH2 1AF

Marnor Elias, 33 Wingfield Road, Plymouth PL3 4UD

- A) Marnor Elias, 33 Wingfield Road, Plymouth PL3 4UB
 - B) Selikirk Michael, 102 Waverley Street, Liverpool L2 7LQ
 - C) Sealman Julian, 12/B St. David Street, Edinburgh EH2 1AF
 - D) Marnor Elias, 33 Wingfield Road, Plymouth PL3 4UD
 - E) Sealman Julian, 12/B St. David Street, Edinburgh EH2 1AF
-

-
- 896 Find the option that differs from:**
Benson David, 238 Tulip Road, Margate CT9 5JP
Bellerman Helen, 92 Canterbury Road, Torquay TQ1 2LQ
Dannon Paul, 12/4 Seven Oaks Road, Wolverhampton WV6 8HL
A) Benson David, 238 Tulip Road, Margate CT9 5JP
B) Bellerman Helen, 92 Canterbury Road, Torquay TQ1 2LQ
C) Benson David, 238 Tulip Road, Margate CT9 5JP
D) Dannon Paul, 12/4 Seven Oaks Road, Wolverhampton WV6 8HL
E) Dannon Paul, 14/2 Seven Oaks Road, Wolverhampton WV6 8HL
-
- 897 Find the option that differs from:**
Beech Matthew, 31/C Manchester Street, Colchester CO1 1TD
Redfield Daniel, 41 Mountbatten Road, Castle Comb, SN14 7HN
Coombe Gabriella, 4 Pinter Road, Tushingham Cum Grindley SY13 4QS
A) Coombe Gabriella, 4 Pinter Road, Tushingham Cum Grindley SY13 4QS
B) Redfield Daniel, 41 Mountbatten Road, Castle Comb, SN14 7HN
C) Beech Matthew, 31/C Manchester Street, Colchester CO1 1TD
D) Coombe Gabriella, 4 Pinter Road, Tushingham Cum Grindley SY13 4QS
E) Redfield Daniel, 14 Mountbatten Road, Castle Comb, SN14 7HN
-
- 898 Which of the following sequences follows a "vowel-consonant" alternation rule?**
A) idepidicopicdic
B) idepidicoipidic
C) idepidicpidic
D) idepidicopicpidic
E) idepidiclipidic
-
- 899 Which of the following sequences follows a "vowel-consonant" alternation rule?**
A) epofabelaofabel
B) epofabeleofabel
C) epofabelpofabel
D) epofabelafabelwfabel
E) epofabelafabelofabel
-
- 900 Which of the following sequences follows a "vowel-consonant" alternation rule?**
A) idepidiciapidic
B) idepidicipidicapidic
C) idepidicwapidic
D) idepidicipidicqpidic
E) idcpidicipidicpidic
-
- 901 Given the sequence**
wsdcf67sxdfcg6d7s
decide which of the following options correctly reproduces it when added to: wsdcf67
A) sxdfcg67ds
B) 0sxdfcg67ds
C) sxdfcg6d7s
D) 0sxdfcg6d7s
E) sxdfcg67s

902 Given the sequence **hcgd78sdxctesd72**
decide which of the following options correctly reproduces it when added to: **hcgd78s**

- A) 6dxcftesd72
- B) dxcftesd72
- C) 8dxcftesd27
- D) dxcftesd27
- E) sdxctesd72

903 Given the sequence **JDCHS67SXDFCG6D7S**
decide which of the following options correctly reproduces it when added to: **JDCHS67**

- A) SXCFCG6D7S
- B) SXDFCG6D7S
- C) SXDFCGD7S
- D) 3SXDFCG6D7S
- E) SXDFGG6D7S

904 Given the sequence **F67FGSTESDWSDCF67**
decide which of the following options correctly reproduces it when added to: **F67FGST**

- A) SDWSDCF67
- B) 7ESDWSDCF67
- C) ESDWSDF67
- D) ESDWSDCF67
- E) ESEWSDCF67

905 Given the sequence **JDCHS67SCIHS78DC0**
decide which of the following options correctly reproduces it when added to: **JDCHS67**

- A) SCIHS78DC0
- B) 4SCIHS78DC0
- C) SCIHS7DC0
- D) SCDHS78DC0
- E) CIHS78DC0

906 Given the sequence **yhg5fdssdrdcfv7fg**
decide which of the following options correctly reproduces it when added to: **yhg5fds**

- A) sdrdcfv7fg
- B) 1sdrdcfv7fg
- C) 1sdrdcfv7gf
- D) sdrdcv7fg
- E) sdrdcfv7fg

907 Given the sequence
WSD897CSDCGSTA45A
decide which of the following options correctly reproduces it when added to: **WSD897C**
A) 4SDCGSTA45A
B) SDCGST45A
C) SDCGSTA45A
D) SDEGSTA45A
E) CSDCGSTA45A

908 Given the sequence
ams465shcdf65fbst
decide which of the following options correctly reproduces it when added to: **ams465s**
A) hcdf65fbst
B) 6hcdf65fbst
C) 6hcdf65bfst
D) hcd65fbst
E) shcd65fbst

909 Given the sequence
SDCGSTA45DDCFV87S
decide which of the following options correctly reproduces it when added to: **SDCGSTA**
A) 45DCFV87S
B) 345DDCFV87S
C) 45DDCF87S
D) 5DDCFV87S
E) 45DDCFV87S

910 Given the sequence
JCDF67F5RTAWS467S
decide which of the following options correctly reproduces it when added to: **JCDF67F**
A) 5RSAWS467S
B) 5RTAWS467S
C) 65RTAWS467S
D) 5RTAWS67S
E) 5RTAVVS467S

911 Choose the sequence where the group of letters “xcdf” only appears once in this very order.
A) edcrfvtgbyxcdkplokij
B) edcrfvtgbydfxcplokij
C) edcrfvtgbyxcdfplokij
D) edcrfvtgbyxclkplokij
E) edcrfvtgbyxcdplokij

912 Choose the sequence where the group of letters “iokh” only appears once in this very order.
A) iokhtfgciokhdcfhyrtf
B) lmiokhtiokhdcfhyrtf
C) yhurftgciokhdcfhyrtf
D) yhurftgctfgcdcfhyrtf
E) yihuktgctfgcdcfhyrtf

913 Choose the sequence where the group of letters “xxsd” only appears once in this very order.

- A) poiujxxssdnngghgcdc
- B) poiujszxxxxdshgcdc
- C) poiujxxsdnnngghgcdc
- D) poiujxsxdnnngghgcdc
- E) poiujxxsznnngghgcdc

914 Choose the sequence where the group of letters “MLOP” only appears once in this very order.

- A) trewqMLOPESDRFTGHU
- B) trewqOPMLES DRFTGHU
- C) trewqMLOWESMLPOGHU
- D) trewqMNOPESDRFTGHU
- E) trewqMLOPESMLOPGHU

915 Find the sequence that differs from UQQUQQUQUQQQUQUU

- A) UQQUQQUQUQQQUQUU
- B) UQQUQQUQUQQQUQUU
- C) UQQUQQUQUQQUUQUU
- D) UQQUQQUQUQQQUQUU
- E) UQQUQQUQUQQQUQUU

916 Find the sequence that differs from VUUVUUVUUVUUVUVV

- A) VUUVUUVUUVUUVUVV
- B) VUUVUUVUUVUUVUVV
- C) VUUVUUVUUVUUVUVV
- D) VUUVUUVUUVUUVUVV
- E) VUUVUUVUUVUUVUVV

917 Find the sequence that differs from XZZZXZZZXZXXXXZ

- A) XZZZXZZZXZXXXXZ
- B) XZZZXZZZXZXXXXZ
- C) XZXZXZZZXZXZZZX
- D) XZZZXZZZXZXXXXZ
- E) XZZZXZZZXZXXXXZ

918 Find the sequence that differs from OOOQOQOQOQOQOQO

- A) OOOQOQOQOQOQOQO
- B) OOOQOQOQOQOQOQO
- C) OOOQOQOQOQOQOQO
- D) OOOQOQOQOQOQOQO
- E) OOOQOQOQOQOQOQO

919 Find the sequence that differs from OOPPOPOPPOPPOPP

- A) OOPPOPOPPOPPOPP
- B) OOPPOPOPPOPPOPP
- C) OOPPOPOPPOPPOPP
- D) OOPPOPOPPOPPOPP
- E) OOPPOPOPPOOPOPP

920 Which of the following sequences follows a "vowel-consonant" alternation rule?

- A) OLUTEVONIQAMERRNEVAZ
 - B) OLUTEVONFQAMERONEVAZ
 - C) OLUTEVONIQAMERONEVAZ
 - D) OLUTEVONLQAMERONEVAZ
 - E) OLUTEVONIQAMERUNEVAIZ
-

921 Which of the following sequences follows a "vowel-consonant" alternation rule?

- A) UNEMABOFLMOBULAPEZUH
 - B) UNEMABOFIMOBULBPEZUH
 - C) UNEMABOFIMOBULAPEZUH
 - D) UNEMABOFFMOBULAPEZUH
 - E) UNEMABOFEMOBVULAPEZUH
-

922 Which of the following sequences follows a "vowel-consonant" alternation rule?

- A) abidebuzuslpododeqes
 - B) abidbeuzusipododeqes
 - C) abidebuzuispododeqes
 - D) abidebuzusipododeqes
 - E) abidebuzutspododeqes
-

923 Which of the following sequences follows a "vowel-consonant" alternation rule?

- A) AFIMANUNOZESOPLRLUN
 - B) AFFMANUNOZESOPIRELUN
 - C) AFIMANUNOZESOPLRELUN
 - D) AFIMANUNOZESOPIRELUN
 - E) AFIMANUNOZESOPOREIUN
-

924 Find the option that contains a sequence that is identical to: EBBEBEBEBEBEB

- A) EBEBEBEBEBEBEB
 - B) EBBEBEBEEEBEB
 - C) EBBEEBEBEBEBEB
 - D) EBBBEBEBEBEBEB
 - E) EBBEEBEBEBBEBB
-

925 Find the option that contains a sequence that is identical to: FLFLLFFLFLFLL

- A) FLFLLFFLFLFLL
 - B) FLFLLFFLLLFLL
 - C) FLFLLFFLFFLFL
 - D) FLFFLFFLFLFLL
 - E) FLFFLLFFLFLFLL
-

926 Find the option that contains a sequence that is identical to: EHHEHEEHHEEEH

- A) EHEEHEEHHEEEH
 - B) EHHEHEHEHEEEH
 - C) EHEEHEEHHEHEH
 - D) EHHEHEEHHEEEH
 - E) EHHHEHEEHHEEEH
-

927 Find the option that contains a sequence that is identical to: JLLJJJLLJL

- A) JLJJJLJLJL
- B) JLLLJJJLJL
- C) JLLJJLJLJL
- D) JLLJJJLJL
- E) JLLJJJLLJL

928 Which of the following sequences follows a "vowel-consonant" alternation rule?

- A) OPAPIDICWIRICET
- B) OPAPIDICEPIDICBRICET
- C) OPAPIDICEIRICET
- D) OPAPIDICEPIDICIRICET
- E) OPAPIDICEPIDICORICHT

929 Find the option that contains a sequence that is identical to: XXYXXYYXXYYXX

- A) XXYXXYYXXYYXX
- B) XXYXXYYXXYYXX
- C) XXYXXYYXXYYXX
- D) YXYXXYYXXYYXX
- E) XXYXXYYXXYYXX

930 In which of the following sequences one letter appears exactly 5 times?

- A) EQEQQWEWEWQQ
- B) RRTYRYTTYRTY
- C) PPPKLPKKKLLL
- D) UUUOIUOOOIII
- E) IHIHQOOHHIIO

931 In which of the following sequences one letter appears exactly 5 times?

- A) LLKHLHKKHLKH
- B) GFFFGGDFGDDDF
- C) FTTTFDERTJJF
- D) SSSQASQQQAAA
- E) MBMBBNMNMNBB

932 In which of the following sequences one letter appears exactly 5 times?

- A) UTUUYTUTYYT
- B) QQLKLLQKLQKLL
- C) RRRWERWWWEEE
- D) ZZUGHZUZGGGHY
- E) PPOIOIOPPIPI

933 In which of the following sequences one letter appears exactly 5 times?

- A) CQQFCQFFFCCQ
- B) AAELALEELAEL
- C) SSFTUVVBBBZYSB
- D) RPRQBRPRPPQB
- E) ZZYKYKYZZKZK

934 Given the sequence **KGNJFGASRTTUUhhttroplojhna** decide which of the following options correctly reproduces it when inserted in the gap: **"KGNJFGAS...oplojhna"**.

- A) RTTUUhhttr
- B) RTTUUhhtt
- C) TTUTUhhttr
- D) UhhTUTTtr
- E) RTTUUhhhttr

935 Given the sequence **KKMJLNOFGJKKLikkjgojfgert** decide which of the following options correctly reproduces it when inserted in the gap: **"KKMJLNOF...ojfgert"**.

- A) JKKGLikkjg
- B) GJKKLikkjig
- C) JkkGLKIKjg
- D) GJKLikkjg
- E) GJKKLikkjg

936 Given the sequence **XSAGHTVVFTDjjkmnfgjklmn** decide which of the following options correctly reproduces it when inserted in the gap: **"XSAGHT...fgjklmn"**.

- A) VFTDjjkmn
- B) VFVTDjjkmn
- C) VTFDVjjmnk
- D) VTVFDjjnkm
- E) VVFTDjjkmn

937 Find the option where the elements of the following sequence are inverted: **MNMNMMNM**.

- A) MNMMNMNM
- B) MNMNMNMN
- C) MNHNHNMM
- D) MNMMMNMN
- E) MNMNMNMN

938 Given the sequence **SCFV89DWSEXDC456S** decide which of the following options correctly reproduces it when added to: **SCFV89D**

- A) WSFXDC456S
- B) 5WSEXDC456S
- C) WSXEDC456S
- D) WSEXDC56S
- E) WSEXDC456S

939 Choose the option where letter P appears a greater number of times than letter R.

- A) PPRRPRPRPRPRR
- B) RRPPRRPRPPRPP
- C) PPPRRRRPPRRPR
- D) PRRRPRPPRRRPPP
- E) RPRPPPPRRRRPRR

940 Choose the sequence where the group of letters “dfgh” only appears once in this very order.

- A) vbnmkfdghkjjghgvcfdv
- B) vbdfgkgqdfghjghgvcdfgh
- C) vbnmkdfgqkjjghgvcfdv
- D) vbnmkdfghkjjghgvcfdv
- E) vbnmkgqdfghjghgvcdfgh

941 Find the option that contains a sequence that is identical to: EEEFFEFEFE

- A) EEEFEFFFE
- B) EEEFEFEFE
- C) EEEFEFEFE
- D) EEEFEFEFE
- E) EEEFEFEFE

942 Find the sequence that differs from VVVVVVVVVVVVVVVV

- A) VVVVVVVVVVVVVVVV
- B) VVVVVVVVVVVVVVVV
- C) VVVVVVVVVVVVVVVV
- D) VVVVVVVVVVVVVVVV
- E) VVVVVVVVVVVVVVVV

943 Find the option where the elements of the following sequence are inverted: OIOIOIO

- A) OIOOOIO
- B) OIOIOIO
- C) OIOIOIO
- D) OIOOOIO
- E) OIOIOIO

944 Find the option that contains a sequence that is identical to: MNNNMMNMN

- A) MNNNMMNMN
- B) MNNNMMNMN
- C) MNNNMMNMN
- D) MNNNMMNMN
- E) MNNNMMNMN

945 Find the option that differs from:

Cooper Nicole, 31 Garthorp Road, Manchester M23 0AX

Clancy Michael, 22 Eastwick Close, Brighton BN1 8SF

Poole Lucas, 8 Beacon Fields, Camborne TR14 7JU

- A) Poole Lucy, 8 Beacon Fields, Camborne TR14 7JU
- B) Cooper Nicole, 31 Garthorp Road, Manchester M23 0AX
- C) None of the other options differs from the given addresses
- D) Clancy Michael, 22 Eastwick Close, Brighton BN1 8SF
- E) Poole Lucas, 8 Beacon Fields, Camborne TR14 7JU

- 946 In a hypothetical code language, the code VISICTOSORYSY stands for VICTORY and the code GHOSOSTLYSY stands for GHOSTLY. Which of the following words corresponds to the code SYSYMMESETRYSY?
- A) SYNTHESISE
 - B) SYNTHETIC
 - C) SYNTHEME
 - D) SYMMETRY
 - E) SYNTHESIS
- 947 Choose the sequence where the group of letters "BBVG" only appears once in this very order.
- A) cvbnmBBVLSCFDRGFVC
 - B) cvbnmBVVGSCFDRGFVC
 - C) cvBBVGBBVGSCFDRGFVC
 - D) cvbnmVGBBSCFDRGFVC
 - E) cvbnmBBVGSCFDRGFVC
- 948 Choose the option where the elements of the following sequence are inverted: ZQZQZZQZ.
- A) ZQZQZZQZ
 - B) ZQZZZQZZ
 - C) ZQZQZQZZ
 - D) ZQZZQZQZ
 - E) ZZQZQZQZ
- 949 Choose the option where letter I appears the greatest number of times.
- A) IIAAIIILIIIAIIIL
 - B) LIIAIIIAIILIIAIA
 - C) IIIAIIILIIIAIIILL
 - D) IAILIIAIIIIAIIIA
 - E) IIIAIIILIIIAIIILL
- 950 Given the sequence ZZXXCCVBCCHGGttuppbnnmbnm decide which of the following options correctly reproduces it when inserted in the gap: ZZXXCCVB...nnmbnm
- A) HGGCCttupp
 - B) CHGGttupp
 - C) CCHGGttupp
 - D) CCHGttup
 - E) CCHGGtpp
- 951 Given the sequence DCFV87SSDCGSTA45A decide which of the following options correctly reproduces it when added to DCFV87S
- A) SDNGSTA45A
 - B) SDCGSTA45A
 - C) SDCGST45A
 - D) 0SDCGSTA45A
 - E) SDGCST45A

-
- 952 Find the option that differs from:**
Townsend Jeremy, 1 Sherborne Road, Southampton SO17 3RJ
Dobson Barbara, 22 Mead Court, Trowbridge BA14 0SX
Mountsen Fiona, 7 Main Drive, Swindon SN2 4DU
A) Townsend Jeremy, 1 Sherborne Road, Southampton SO17 3RJ
B) Mountsen Fiona, 7 Main Drive, Swindon SN2 4DU
C) Dobson Barbara, 22 Mead Court, Trowbridge BA14 0SX
D) Dobson Barbara, 22 Main Court, Trowbridge BA14 0SX
E) Townsend Jeremy, 1 Sherborne Road, Southampton SO17 3RJ
-
- 953 Find the option that differs from:**
Molloy Stephen, 6 Albert Avenue, Manchester M25 0LY
Branson Michelle, 91 Willow Grove, York YO32 9SN
Chamberlain Stephen, 8 Poppyfield Court, Northampton NN3 8NG
A) Branson Michelle, 91 Willow Grove, York YO32 9SN
B) Molloy Stephen, 6 Albert Avenue, Manchester M25 0LY
C) Chamberlain Stephen, 8 Poppyfield Court, Northampton NN3 8NG
D) Molloy Stephen, 6 Albert Avenue, Manchester M25 0LX
E) Chamberlain Stephen, 8 Poppyfield Court, Northampton NN3 8NG
-
- 954 What numbers and what letters are left after deleting from the following sequence the letters "FAVORI" and the digits "3578"?
"123456789ABCDEFGHIJLMNOPQRSTUVWXYZ"**
A) 12469BCDGHILMNPRSTUZ
B) 12469BCDFGHLMNPQSTUZ
C) 12569BCDEGHLMNPQSTUZ
D) 12469BCDEGHLMNPQSTUZ
E) 12469BCDFGHLMNPQSTWZ
-
- 955 Place the following words in alphabetical order: 1 – Passageway; 2 – Passage; 3 – Passenger; 4 – Passant; 5 – Passages.**
A) 2–5–1–4–3
B) 2–5–4–1–3
C) 3–4–1–5–2
D) 2–1–5–4–3
E) 3–4–5–1–2
-
- 956 Place the following words in alphabetical order starting from the last letter of each word rather than from the first: 1 – Cottage; 2 – Calendar; 3 – Calendars; 4 – Passage; 5 – Low**
A) 5–3–4–1–2
B) 5–3–2–1–4
C) 4–1–3–2–5
D) 5–3–2–4–1
E) 4–1–2–3–5
-

-
- 957** Place the following words in inverted alphabetical order, i.e. from Z to A, and starting from the last letter of each word rather than from the first: 1 – Umbrella; 2 – Messages; 3 – Message; 4 – Show; 5 – Slow
- A) 1-2-4-3-5
 - B) 5-3-2-1-4
 - C) 1-3-2-4-5
 - D) 5-4-2-3-1
 - E) 4-1-3-2-5
-
- 958** Place the following words in alphabetical order: 1 – Fatality; 2 – Fateful; 3 – Fatal; 4 – Fatalist; 5 – Fate.
- A) 2-5-4-1-3
 - B) 3-4-1-5-2
 - C) 3-1-4-2-5
 - D) 2-1-5-4-3
 - E) 3-1-4-5-2
-
- 959** Place the following words in alphabetical order: 1 – Prejudice; 2 – Premise; 3 – Premonition; 4 – Prayer; 5 – Prelacy.
- A) 4-5-1-2-3
 - B) 1-4-2-5-3
 - C) 1-5-4-3-2
 - D) 4-1-5-2-3
 - E) 4-1-5-3-2
-
- 960** Place the following words in alphabetical order: 1 – Responsible; 2 – Resting; 3 – Rest; 4 – Restore; 5 – Response.
- A) 1-5-2-3-4
 - B) 5-3-1-2-4
 - C) 5-1-3-2-4
 - D) 3-1-5-4-2
 - E) 3-1-4-5-2
-
- 961** Find the option that differs from:
Firefox Mary Ann, 1 Melbourne Street, Westbury BA13 4RW
Frank Claire, 1 Chapel Street, Portsmouth PO2 7DJ
Cobson Frances, 118 Farm Road, Bristol BS16 6DD
- A) Firefox Mary Ann, 1 Melbourne Street, Westbury BA13 4RW
 - B) Firefox Mary Ann, 1 Melbourne Street, Westbury BA13 4RW
 - C) Frank Claire, 1 Chapel Street, Portsmouth PO2 7DJ
 - D) Chiavarini Francesca, Via Frejus 118, Torino (TO)
 - E) Frank Claire, 11 Chapel Street, Portsmouth PO2 7DJ
-
- 962** Find the option that contains a sequence that is identical to: 88B8B8BB8B.
- A) 88B8B8B88B
 - B) 88B8B8B8BB
 - C) 88BB88BB8B
 - D) 88B88BBB8B
 - E) 88B8B8BB8B

963 In which of the following sequences one letter appears exactly 5 times?

- A) HOLLLOHOOHHL
 - B) IHOOOHIIHHIO
 - C) PPRPDDPRRDDR
 - D) RRGMMGRGRMGM
 - E) OOTQOTQOQQTO
-

964 The number group 1234(0)4321 can be defined symmetric with 0 at its centre. Which of the following numbers presents the same kind of symmetry?

- A) 75812369456(0)65496321857
 - B) 75812369456(0)65469321857
 - C) 75812369456(0)65496231857
 - D) 23412341234(0)43214321342
 - E) 75812369456(0)65496328157
-

965 In which of the following sequences one letter appears exactly 5 times?

- A) XYXGXYYGGYYG
 - B) SSFFFSBBSFBB
 - C) YGYJYGYJJGGJ
 - D) QKHHQKHKKKH
 - E) TDDFFTDTTDD
-

966 Choose the sequence where the group of letters "jjhy" only appears once in this very order.

- A) xdcftgbhujjjhyhbgvfc
 - B) xdcftgbhujjjghbgvfc
 - C) xdcftgbhujjjhjbhbgvfc
 - D) xdcftgbhujhyjjhbgvfc
 - E) xdcftgbhujhyjjhbgvfc
-

967 Find the option that contains a sequence identical to: EEAEAEAEAEAA.

- A) EEAEAEAEAEAA
 - B) EAAEAEAEAEAA
 - C) EEAEAAEEAEAA
 - D) EEEAAEAEAEAA
 - E) EEAEAEAEAAEA
-

968 The number group 5678(0)8765 can be defined symmetric with 0 at its centre. Which of the following numbers presents the same kind of symmetry?

- A) 123456789(0)987564231
 - B) 864213579(0)973512468
 - C) 798642135(0)531248697
 - D) 689753124(0)421357986
 - E) 357986421(0)213759853
-

969 Determine which of the following options differs from the three strings below:

EDFC-DSSX-SEDC-DRDF

EDSE-DSED-EDSC-56FS

DE45-56TY-45RD-ES34

- A) EDSE-DSED-EDSC-56FS
- B) EDSE-DSED-EFSC-56FS
- C) EDFC-DSSX-SEDC-DRDF
- D) None of the other answers differs from the given strings
- E) DE45-56TY-45RD-ES34

970 Choose the option where letter O appears a greater number of times than letter G.

- A) OGGGOGOOGGGOOO
- B) OOGGGGOGOGOOGG
- C) OOGGOGOOOGOOGG
- D) GGOGOOOGOOGOGG
- E) OGGGGGOGOGOOGG

971 Choose the option where letter E appears a greater number of times than letter W.

- A) WWWEWEEWWEEE
- B) WWEWWEWEEWEE
- C) WEWEWWWEWEEE
- D) EWEWWEEWEWEE
- E) WWEWWEWWWWEE

972 In which of the following sequences one letter appears exactly 5 times?

- A) QQYLLYWWYYWLL
- B) BOBDBOBDDB
- C) JUJUHJJHHUUH
- D) UYLLYWWYYWLL
- E) QQKTQQKQQKTKKT

973 In which of the following sequences one letter appears exactly 5 times?

- A) IPIIPIIPP
- B) LWGWWWGTUTDLLU
- C) ETLTTTLIPIJEEP
- D) ADGGDAAADDJD
- E) AAVIAIIAAV

974 Choose the sequence where the group of letters "KIJU" appears once in this very order.

- A) HYGTFRDKIJYSXDCFDES
- B) HYGTFRDKFJUSXDCFDES
- C) HYGTFRDJUKISXDCFDES
- D) HYGTFRDKIJUSXDCFDES
- E) HYGTFRKIJUFKIJUSXCFDS

975 Choose the sequence where the group of letters "vfcd" appears once in this very order.

- A) ijuhygvfcesavfqxnbg
- B) ijuhygfesacdvnfbgfv
- C) ijuhygfesavfcxnbgvf
- D) ijuhygfesavfcdnbgvf
- E) ijuhygfesavfqxnbgvf

-
- 976** Determine which of the following options differs from the three strings below:
34SD-5RT6-RFD4-3WER
8907-HUJI-KNJH-GVFT
SXDC-CFVG-BHNJ-9IJH.
A) 8907-HUJI-KKJH-GVFT.
B) 34SD-5RT6-RFD4-3WER.
C) 8907-HUJI-KNJH-GVFT.
D) SXDC-CFVG-BHNJ-9IJH
E) 34SD-5RT6-RFD4-3WER.
-
- 977** Determine which of the following options differs from the three strings below:
QASZ-34DF-D5TG-6YSW
SXDC-CFVG-BHNJ-9IJH
4413-1857-BPDX-4291.
A) 4413-1857-BPDY-4291.
B) QASZ-34DF-D5TG-6YSW.
C) SXDC-CFVG-BHNJ-9IJH.
D) 4413-1857-BPDX-4291
E) SXDC-CFVG-BHNJ-9IJH.
-
- 978** The number group 1234(0)4321 can be defined symmetric with 0 at its centre. Which of the following numbers presents the same kind of symmetry?
A) 5267824563(0)3654827625
B) 95872143694(0)49643127859
C) 95872143694(0)49634172859
D) 95872143694(0)49634127859
E) 95872143694(0)49634721859
-
- 979** Find the option that contains a sequence that is identical to: UUVUUUVUVVUV.
A) UUVUUUVVUVUV
B) UUVUUUVUVVUV
C) UUVUVVUVUUVUV
D) UUVUUUVVUVUV
E) UUVVVUVUUVUV
-
- 980** Choose the sequence where the group of letters "WSDR" appears once in this very order.
A) eedrfWSDRCDSEFGHJU
B) eedrfDRWSCDSEFGHJU
C) eedrfWSDDCDSEFGHJU
D) eedrfWADRCDEFGHJU
E) eedrfWSRRCDSEFGHJU
-
- 981** Determine which of the following options differs from the three strings below:
3917-8B61-0023-1732
2091-9S35-7341-5524
8307-7G32-3903-0205
A) 2091-9S35-7341-5524
B) 3917-8B61-0023-1732
C) 8307-7G32-3903-0205
D) 2091-9S35-7341-5524
E) 8307-7G32-3903-0285
-

-
- 982** The number group "abcd(0)dcba" can be defined symmetric with 0 at its centre. Which of the following numbers presents the same kind of symmetry?
- A) ljgdasfhk(0)khsfadgjl
 - B) adgjlkghfs(0)sfkhlijgda
 - C) zcbmnvx(0)xvnbmcz
 - D) qetuopiyrw(0)wryipouteq
 - E) asdelgpl(0)lpgeldsa
-
- 983** The number group 5678(0)8765 can be defined symmetric with 0 at its centre. Which of the following numbers presents the same kind of symmetry?
- A) 975312468(0)864231579
 - B) 246897531(0)135796842
 - C) 357986421(0)124689573
 - D) 135798642(0)246897531
 - E) 353142571(0)175243153
-
- 984** The number group 5678(0)8765 can be defined symmetric with 0 at its centre. Which of the following numbers presents the same kind of symmetry?
- A) 135798642(0)246987531
 - B) 246897531(0)137598642
 - C) 468975312(0)213579864
 - D) 357986421(0)124687953
 - E) 253142571(0)175243125
-
- 985** The number group 5678(0)8765 can be defined symmetric with 0 at its centre. Which of the following numbers presents the same kind of symmetry?
- A) 357986421(0)124698753
 - B) 975312468(0)864213579
 - C) 579864213(0)312648975
 - D) 798642135(0)531426897
 - E) 1256347892(0)298473651
-
- 986** The number group 5678(0)8765 can be defined symmetric with 0 at its centre. Which of the following numbers presents the same kind of symmetry?
- A) 135798642(0)248697531
 - B) 246897531(0)137598462
 - C) 753124689(0)986241357
 - D) 123547892(0)298743521
 - E) 579864213(0)312468975
-
- 987** What letters remaining, if you delete from the sequence PRASTEMICOVUD the letters RAMO?
- A) RSTEICVUD
 - B) PSTEIOVUD
 - C) PSTEICVUD
 - D) PASTEICVU
 - E) PSTRICVUD

- 988** The letter group **CLEUDIO (A) OIDUELC** can be defined symmetric with **A** at its centre. Which of the following numbers presents the same kind of symmetry?
- A) TOCIDEM (A) MEDCITO
 - B) TOCIDEM (A) MEDCIOT
 - C) TOCIDME (A) MEDICOT
 - D) TOCIDEM (A) MEDICOT
 - E) TOCDIEM (A) MEDCIOT
-
- 989** The letter group **BTQOPRYV (A) VYRPOQTB** can be defined symmetric with **A** at its centre. Which of the following numbers presents the same kind of symmetry?
- A) MENDVWOB (A) BOVWDMEN
 - B) MENDWVOB (A) BOWVDNEM
 - C) MENDVWOB (A) BOWVDNEM
 - D) MENDVWOB (A) BOWVDMEN
 - E) MENDWVOB (A) BOWVDMEM
-
- 990** The letter group **ZODFGLJV (A) VJLGFDZ** can be defined symmetric with **A** at its centre. Which of the following numbers presents the same kind of symmetry?
- A) WRYTUTER (A) RETUYTRW
 - B) WRTYUTER (A) RETYUTRW
 - C) WRTYUTER (A) RETUYRTW
 - D) WRTYUTER (A) RETUTYRW
 - E) WRTYUTER (A) RETUYTRW
-
- 991** Find the option that contains a sequence that is identical to: **SZZSSZSSZZ**.
- A) SZZSSZSSSZ
 - B) SZSSZZSSZZ
 - C) SZZSSZSSZZ
 - D) SZZSSZSSZZ
 - E) SZZSSZSSZS
-
- 992** Choose the option where letter **P** appears the greatest number of times.
- A) PCBPBPBPPPBPPQP
 - B) CPBPPPBPPPBPPQP
 - C) PCBPBPBPPPBPPQP
 - D) PCBPBPBPPPBPPQP
 - E) PPQPPBPBPPPBPPBP
-
- 993** The number group **1234(0)4321** can be defined symmetric with **0** at its centre. Which of the following numbers presents the same kind of symmetry?
- A) 23951486275(0)57286415932
 - B) 23951486275(0)57268451932
 - C) 23951486275(0)57268415932
 - D) 23951486275(0)57268145932
 - E) 98745632524(0)42523645789

994 Determine which of the following options differs from the three strings below:

89IJ-JKUG-NHBG-VFCD

45RT-DEFR-7YUH-78IO

34SRD-WQAS-XSFC-UIHN.

A) 34SRD-WQAS-XSFC-UIHN

B) 89IJ-JKUG-NHBG-VFCD.

C) 45RT-DEFR-7YUH-78IO.

D) 34SRD-WOAS-XSFC-UIHN.

E) 45RT-DEFR-7YUH-78IO.

995 Find the sequence that differs from QGGQGGQGGQQGGQG

A) QGGQGGQGGQQGGQG

B) QGGQGGQGGQQGGQG

C) QGGQGGQGGGQQGGQG

D) QGGQGGQGGQQGGQG

E) QGGQGGQGGQQGGQG

996 Find the sequence that differs from ZZZIZZIZIIZIZI

A) ZZZIZZIZIIZIZI

B) ZZZIZZIZZIZIZI

C) ZZZIZZIZIIZIZI

D) ZZZIZZIZIIZIZI

E) ZZZIZZIZIIZIZI

997 Choose the option where letter Q appears a greater number of times than letter O.

A) QOOQQOPQQOOQOQOQ

B) QOOQQOPQQOOPOQOQ

C) QOOQOOPQQOOQOQOQ

D) QQQOOQOQQOQOOOPP

E) QOOQQOPQQOOQOPOQ

998 Find the option that differs from:

Rowland Frances Mary, 26 Derby Close, Grimsby DN32 7RA

Simpson Valerie, 1 Foulbridge Lane, Scarborough YO13 9AZ

Du Maurier John, 19 Fuchsia Grove, Stockton-on-teesTS19 7DR

A) Du Maurier John, 19 Fuchsia Grove, Stockton-on-teesTS19 7DR

B) Rowland Frances Mary, 26 Derby Close, Grimsby DN32 7RA

C) Simpson Valerie, 1 Foulbridge Lane, Scarborough YO13 9AZ

D) Simpson Valery, 1 Foulbridge Lane, Scarborough YO13 9AZ

E) Rowland Frances Mary, 26 Derby Close, Grimsby DN32 7RA

999 If tribal worths rbl and caiman worths amn, then angioplasty worths:

A) agilasy

B) nipat

C) agolsy

D) niplat

E) agopat

1000 Identify in which of the following options the letter Q is present most frequently than the letter O.

- A) OOQQOOQOQQOQQ
- B) OOQOQQOQOQQOO
- C) QQOOOOQOQOQQOO
- D) QOOOQOQQOOOQQQ
- E) OQQOQQOQQQOQO

1001 If livor worths lvr and mussel worths mse, then diametrical worths:

- A) imtia
- B) daercl
- C) datrcl
- D) daetia
- E) imrcl

1002 If ivory worths ioy and smelly worths sel, then discoveries worths:

- A) dsoris
- B) icvrs
- C) dsoeis
- D) dsovis
- E) icvere

1003 If books worths bos and geyser worths gye, then hydrostatic worths:

- A) yrstai
- B) yrsai
- C) hdottc
- D) hdtotc
- E) hdttoc

1004 If grape worths gae and circle worths crl, then illusionist worths:

- A) illoit
- B) ilsoit
- C) ilsois
- D) luins
- E) luioit

1005 If garbe worths gre and forest worths frs, then protectoral worths:

- A) oeoal
- B) poetal
- C) rtcoa
- D) poetr
- E) rtctor

1006 If abbey worths be and chaotic woths hoi, then backsliders worths:

- A) akldr
- B) akldrs
- C) akidr
- D) bcsies
- E) bckldr

1007 If lions worths in and owners worths wes, then grumblyngly worths:

- A) rmlnl
- B) gubigy
- C) rmlnl
- D) rulnl
- E) rmlngy

1008 If mouse worths os and nugget worths ugt, then nutritional worths:

- A) utroal
- B) ntiinl
- C) urtia
- D) urtoa
- E) urtol

1009 If punks worths uk and syroup worths yop, then bellybutton worths:

- A) blbto
- B) blyutn
- C) elybto
- D) elbto
- E) elbttn

1010 If novel worths oe and sister worths itr, then hematologic worths:

- A) eaogic
- B) hmtlgc
- C) eaooi
- D) eaoli
- E) hmoqi

1011 In an hypothetical coded language, the word FIELD is codified as FIFIEFELD and the word LOCAL is codified as LOFOCAFAL. How is possible to codified the word LITTLE?

- A) LIFITTLEFE
- B) LIFITTTLEFE
- C) LIFITTELEFE
- D) LITTLEFE
- E) LEFETTLIFI

1012 Choose the option with the greatest number of Cs.

- A) ACGCCCGCCCGGCCCB
- B) CACGCCGCGCCCBCC
- C) BCCGCCCGCCCCCAC
- D) BCCGCCCGCOCCCCAC
- E) BCCGCCCGCCCACCAC

1013 Choose the option with the greatest number of Bs.

- A) DBBDBUBBDBBDBBB
- B) BQBDBBDBBDBBDBBB
- C) UBQBDBBBDBBBBDD
- D) BQBDBBDBBDBBDBDB
- E) BQBDBBDBBBBDBBB

1014 Choose the option with the greatest number of Vs.

- A) VAVAVBNVVVBVBV
- B) VAVBVBVBVVVVNV
- C) VANVVBVAVVVVVNV
- D) VVAVNVBVBVBVVN
- E) VVAVVBVBVBVBVN

1015 Identify in which of the following options the rule "vocal-consonant" is respected.

- A) APAPETOWWOPAFEG
- B) APAPETOWIOPAFEG
- C) APAPETOWIPEKAYPOAFEG
- D) APAPETOWIPEKAYOPAEFG
- E) APAPETOWIPEKAJOPAFEG

1016 Identify in which of the following options the rule "vocal-consonant" is respected.

- A) ECAGORUWUGORUWGIORUW
- B) ECAGORUWUGORUWWGORUW
- C) ecagoruwigoruw
- D) ECAGORUWUGORUWIGORUW
- E) ecagoruwigoruw

1017 Identify in which of the following options the rule "vocal-consonant" is respected.

- A) idipetowapetowifatic
- B) idipetowwifatic
- C) idipetowapetowpfatic
- D) idipetowapetowifaitc
- E) idipetowaifatic

1018 Identify in which of the following options the rule "vocal-consonant" is respected.

- A) OPUPIDICOPIDICIPAFEG
- B) OPUPIDICOPIDICDPAFEG
- C) OPUPIDICWIPAFEG
- D) OPUPIDICOIPAFEG
- E) ODIPIODIPOIDITARI

1019 Choose the option with the greatest number of Hs.

- A) HPHDHHDDHHHHDDHHH
- B) YHPHDHHDDHHHHDD
- C) DHHDHYHDDHHDDHHH
- D) PHHDHDDHDDHDDHDDH
- E) HPHDHHDDHDDHDDH

1020 Identify in which of the following options the letter P is present most frequently than the letter M.

- A) PMPMPMPMPMPM
- B) MMPMPMPMPMPM
- C) MMPMPMPMPMPM
- D) PMPMPMPMPMPM
- E) MMPMPMPMPMPM

1021 Choose the option with the greatest number of Ds.

- A) PDDODPPODODDDDDDP
- B) PDDODPPDDDDDDDDO
- C) PDDODDDODODDDDDDP
- D) ODODDDODDDDDDDDDP
- E) PDBODPPDDDDDDPO

1022 Choose the option with the greatest number of Fs.

- A) FFQQFFRFFFQFFFFR
- B) FQFRFFQFFFFQFFFQ
- C) FRRQFFRFQFFFFRRF
- D) FFFQFFRFFFQFFFFR
- E) RFFQFFQFFRFFQFQ

1023 Choose the option with the greatest number of Vs.

- A) VTVAVVAVAVVVAVAV
- B) VTVAVVAVVVVVAVVV
- C) AVVAVEVVAVVAVVV
- D) VVVAEVVTEAVVTEVV
- E) EVTVAVVAVVVVAA

1024 Choose the option with the greatest number of Os.

- A) OOPQQOOOOOQOBOO
- B) OOQOQOQOPOOQOOOB
- C) POQOOQOOQOOOBBOO
- D) OQOQOQOPOOQOOQB
- E) OOPQQOOOOOPQOBOO

1025 Identify in which of the following options the letter B is present most frequently than the letter D.

- A) BBDDDBDBBDBDD
- B) DBDBBBBDDDBDD
- C) BBBDBBBDBDDDD
- D) BDDDBBBBDBBDD
- E) DDBBDDDBBBDBB

1026 Indicate the alternative that gives a sequence of elements in inverse order with respect to the sequence ILILILI.

- A) ILILILI
- B) ILIILILI
- C) ILIIILLI
- D) ILILLILI
- E) ILLIILIL

1027 Given the sequence:

dcfv7fgscd67dc98d

decide which of the following sequences correctly reproduces it when added to: dcfv7fg

- A) scd67dc98d
- B) 3scd67dc98d
- C) 3scd67dc89d
- D) scd67cd98d
- E) sc67dc98d

1028 Choose the option with the greatest number of Ns.

- A) NQNENNENNNNNENNN
- B) UNQNENNENNNNNEE
- C) NQNENNENENNNENEN
- D) NEQNNNEQNNNEUQUNN
- E) ENNENUNNENNNNN

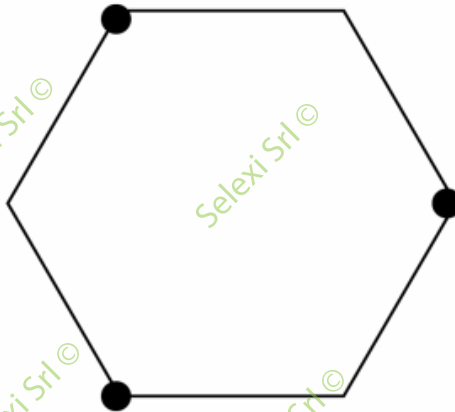
1029 Indicate the sequence that contains a letter repeated exactly five times.

- A) JJWIVWWVJTJT
- B) FKFWFKFWKWKW
- C) CCBDDBBCDDCB
- D) AFFKKFAAAKKF
- E) XCIICXXCIXXI

1030 Identify in which of the following options the letter O is present most frequently than the letter G.

- A) GOOGGGOGOOGOGG
- B) OGGOGOOGOGOOGO
- C) OGOGOOGOGGOOGG
- D) OOGGOGGGGOGOOG
- E) OOOGGOOGGGGGOO

PICTURE TZ 13

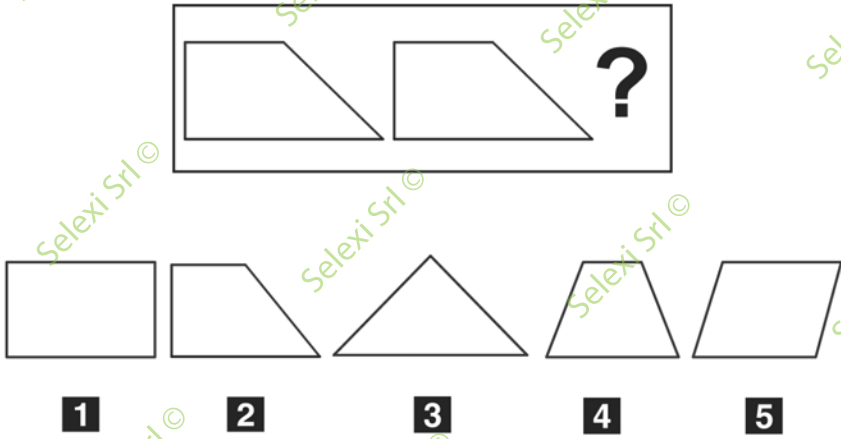


1031 Answer the following question concerning PICTURE TZ 13

The figure shows a sheet of paper that has the form of a regular hexagon. It is folded so that the three vertexes, indicated by a dot, coincide exactly in the center of the hexagon and the others remain fixed. What figure do you get?

- A) A square
- B) A dodecagon
- C) A triangle
- D) An hexagon
- E) A six-pointed star

PICTURE TZ 14

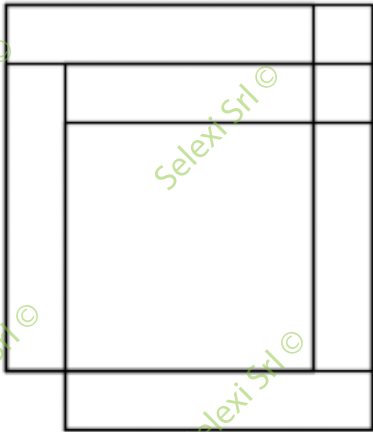


1032 Answer the following question concerning PICTURE TZ 14

A square sheet of paper was cut into three pieces. Two of them are represented in the picture. Which of the figures below can be the third piece?

A) Figure 2
B) Figure 1
C) Figure 3
D) Figure 5
E) Figure 4

IMAGE SX 79



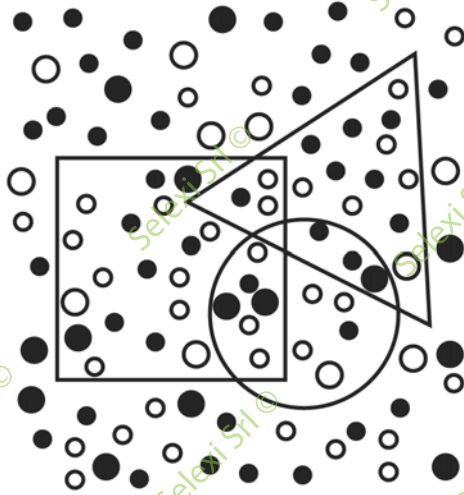
1033 Answer the following question concerning IMAGE SX 79

How many squares can be found in the image?

- A) 6
- B) 4
- C) 8
- D) 7
- E) 5

IMAGE SX 82

The figure shows three geometric shapes: a square, a triangle and a circle, containing a number of black and white dots.



1034 Answer the following question concerning IMAGE SX 82

How many black dots are contained in the circle and in the triangle altogether?

- A) 16
- B) 13
- C) 12
- D) 15
- E) 14

1035 Answer the following question concerning IMAGE SX 82

How many black dots are contained in the square, excluding the area it has in common with the circle?

- A) 11
- B) 9
- C) 23
- D) 8
- E) 10

1036 Answer the following question concerning IMAGE SX 82

How many white dots are contained in the square?

- A) 15
- B) 14
- C) 16
- D) 13
- E) 20

1037 Answer the following question concerning IMAGE SX 82

How many white dots are contained in the triangle?

- A) 6
- B) 9
- C) 7
- D) 10
- E) 8

1038 Answer the following question concerning IMAGE SX 82

How many white dots are contained in the triangle, excluding the area it has in common with the square?

- A) 2
 - B) 5
 - C) 7
 - D) 6
 - E) 8
-

1039 Answer the following question concerning IMAGE SX 82

How many white dots are contained in the square, excluding the area it has in common with the triangle?

- A) 12
 - B) 11
 - C) 13
 - D) 14
 - E) 16
-

1040 Answer the following question concerning IMAGE SX 82

How many white dots are contained in the triangle, excluding the area it has in common with the circle?

- A) 9
 - B) 7
 - C) 12
 - D) 10
 - E) 8
-

1041 Answer the following question concerning IMAGE SX 82

How many black dots are contained in the triangle?

- A) 8
 - B) 9
 - C) 11
 - D) 10
 - E) 15
-

1042 Answer the following question concerning IMAGE SX 82

How many black dots are contained in the square?

- A) 9
 - B) 10
 - C) 7
 - D) 8
 - E) 13
-

1043 Answer the following question concerning IMAGE SX 82

How many white dots are contained in the intersection of the square and the triangle?

- A) 7
 - B) 3
 - C) 1
 - D) 2
 - E) 0
-

1044 Answer the following question concerning IMAGE SX 82

How many black dots are contained in the intersection of the square and the triangle?

- A) 1
 - B) 3
 - C) 2
 - D) 4
 - E) 5
-

1045 Answer the following question concerning IMAGE SX 82

How many white dots are contained in the circle, in the square and the triangle altogether?

- A) 25
 - B) 24
 - C) 26
 - D) 27
 - E) 30
-

1046 Answer the following question concerning IMAGE SX 82

How many white dots are contained in the triangle, excluding the areas it has in common with the circle and the square?

- A) 5
 - B) 6
 - C) 7
 - D) 8
 - E) 23
-

1047 Answer the following question concerning IMAGE SX 82

How many black dots are contained in the circle, excluding the area it has in common with the triangle?

- A) 5
 - B) 3
 - C) 4
 - D) 6
 - E) 23
-

1048 Answer the following question concerning IMAGE SX 82

How many white dots are contained in the square, excluding the area it has in common with the triangle?

- A) 15
 - B) 12
 - C) 14
 - D) 13
 - E) 23
-

1049 Answer the following question concerning IMAGE SX 82

How many white dots are contained in the intersection of the circle and the square?

- A) 6
 - B) 1
 - C) 3
 - D) 2
 - E) 23
-

1050 Answer the following question concerning IMAGE SX 82

How many white dots are contained in the circle, excluding the areas it has in common with the triangle?

- A) 7
 - B) 6
 - C) 8
 - D) 9
 - E) 23
-

1051 Answer the following question concerning IMAGE SX 82

How many black dots are contained in the circle, excluding the areas it has in common with the triangle and the square?

- A) 23
 - B) 0
 - C) 1
 - D) 3
 - E) 2
-

1052 Answer the following question concerning IMAGE SX 82

How many black dots are contained in the triangle, excluding the area it has in common with the circle?

- A) 6
 - B) 7
 - C) 8
 - D) 9
 - E) 23
-

1053 Answer the following question concerning IMAGE SX 82

How many black dots are contained in the triangle, in the circle and in the square overall?

- A) 25
 - B) 21
 - C) 22
 - D) 24
 - E) 23
-

1054 Answer the following question concerning IMAGE SX 82

How many black dots are contained in the triangle, excluding the area it has in common with the circle and the square?

- A) 23
 - B) 5
 - C) 7
 - D) 6
 - E) 8
-

1055 Answer the following question concerning IMAGE SX 82

How many white dots are contained in the circle and in the square altogether?

- A) 17
 - B) 18
 - C) 19
 - D) 20
 - E) 21
-

1056 Answer the following question concerning IMAGE SX 82

How many white dots are contained in the circle, excluding the area it has in common with the square?

- A) 3
 - B) 23
 - C) 5
 - D) 6
 - E) 4
-

1057 Answer the following question concerning IMAGE SX 82

How many black dots are contained altogether in the triangle and in the square?

- A) 19
 - B) 20
 - C) 21
 - D) 22
 - E) 23
-

1058 Answer the following question concerning IMAGE SX 82

How many black dots are contained in the circle, excluding the area it has in common with the square?

- A) 3
 - B) 1
 - C) 4
 - D) 5
 - E) 23
-

1059 Answer the following question concerning IMAGE SX 82

How many white dots are contained overall in the triangle and in the square?

- A) 20
 - B) 19
 - C) 21
 - D) 22
 - E) 23
-

1060 Answer the following question concerning IMAGE SX 82

How many white dots are contained in the circle, excluding the areas it has in common with the triangle and the square?

- A) 4
 - B) 5
 - C) 3
 - D) 23
 - E) 6
-

1061 Answer the following question concerning IMAGE SX 82

How many white dots are contained outside the three shapes (triangle, circle and square)?

- A) 23
 - B) 20
 - C) 21
 - D) 22
 - E) 28
-

1062 Answer the following question concerning IMAGE SX 82

How many black dots are contained in the square?

- A) 9
- B) 10
- C) 8
- D) 11
- E) 12

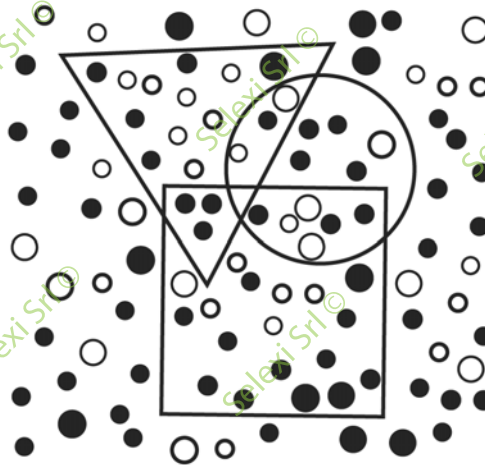
1063 Answer the following question concerning IMAGE SX 82

How many black dots are contained in the circle and in the square altogether?

- A) 18
- B) 15
- C) 16
- D) 17
- E) 14

IMAGE SX 83

The picture shows three geometric shapes: a square, a triangle and a circle. They all contain both white and black dots.



1064 Answer the following question concerning IMAGE SX 83

How many black dots are contained in the circle and in the square altogether?

- A) 29
- B) 22
- C) 25
- D) 23
- E) 24

1065 Answer the following question concerning IMAGE SX 83

How many black dots are contained in the circle?

- A) 9
- B) 8
- C) 10
- D) 7
- E) 12

1066 Answer the following question concerning IMAGE SX 83

How many black dots are contained in the intersection of the circle and the triangle?

- A) 1
 - B) 3
 - C) 2
 - D) 0
 - E) 6
-

1067 Answer the following question concerning IMAGE SX 83

How many black dots are contained in the circle, excluding the area it has in common with the square?

- A) 10
 - B) 5
 - C) 6
 - D) 3
 - E) 4
-

1068 Answer the following question concerning IMAGE SX 83

How many white dots are contained in the intersection of the circle and the square?

- A) 3
 - B) 2
 - C) 4
 - D) 5
 - E) 8
-

1069 Answer the following question concerning IMAGE SX 83

How many black dots are contained in the circle, excluding the area it has in common with the triangle?

- A) 7
 - B) 6
 - C) 5
 - D) 8
 - E) 9
-

1070 Answer the following question concerning IMAGE SX 83

How many white dots are contained in the triangle, excluding the area it has in common with the square?

- A) 10
 - B) 7
 - C) 8
 - D) 9
 - E) 12
-

1071 Answer the following question concerning IMAGE SX 83

How many black dots are contained in the square, excluding the area it has in common with the circle?

- A) 15
 - B) 14
 - C) 16
 - D) 13
 - E) 20
-

1072 Answer the following question concerning IMAGE SX 83

How many white dots are contained altogether in the circle and in the square?

- A) 13
 - B) 11
 - C) 10
 - D) 12
 - E) 20
-

1073 Answer the following question concerning IMAGE SX 83

How many black dots are contained in the circle, excluding the areas it has in common with the triangle and the square?

- A) 4
 - B) 5
 - C) 3
 - D) 6
 - E) 7
-

1074 Answer the following question concerning IMAGE SX 83

How many black dots are contained in the square?

- A) 16
 - B) 17
 - C) 19
 - D) 18
 - E) 15
-

1075 Answer the following question concerning IMAGE SX 83

How many white dots are contained in the square?

- A) 7
 - B) 8
 - C) 10
 - D) 9
 - E) 6
-

1076 Answer the following question concerning IMAGE SX 83

How many white dots are contained outside the three shapes (triangle, circle and square)?

- A) 20
 - B) 19
 - C) 21
 - D) 23
 - E) 28
-

1077 Answer the following question concerning IMAGE SX 83

How many black dots are contained outside the three shapes (triangle, circle and square)?

- A) 34
 - B) 33
 - C) 40
 - D) 32
 - E) 35
-

1078 Answer the following question concerning IMAGE SX 83

How many white dots are contained in the circle, excluding the area it has in common with the square?

- A) 4
 - B) 5
 - C) 8
 - D) 6
 - E) 3
-

1079 Answer the following question concerning IMAGE SX 83

How many white dots are contained in the circle and in the triangle altogether?

- A) 10
 - B) 15
 - C) 13
 - D) 12
 - E) 18
-

1080 Answer the following question concerning IMAGE SX 83

How many black dots are contained in the circle and in the triangle altogether?

- A) 13
 - B) 16
 - C) 15
 - D) 12
 - E) 20
-

1081 Answer the following question concerning IMAGE SX 83

How many white dots are contained in the circle, in the triangle and in the square altogether?

- A) 18
 - B) 19
 - C) 15
 - D) 17
 - E) 25
-

1082 Answer the following question concerning IMAGE SX 83

How many black dots are contained in the circle, in the triangle and in the square altogether?

- A) 32
 - B) 22
 - C) 25
 - D) 28
 - E) None of the other answers is correct
-

1083 Answer the following question concerning IMAGE SX 83

How many white dots are contained in the triangle?

- A) 9
 - B) 8
 - C) 7
 - D) 6
 - E) 5
-

1084 Answer the following question concerning IMAGE SX 83

How many black dots are contained in the triangle?

- A) 9
 - B) 10
 - C) 11
 - D) 8
 - E) 15
-

1085 Answer the following question concerning IMAGE SX 83

How many white dots are contained in the circle?

- A) 9
 - B) 6
 - C) 7
 - D) 8
 - E) 12
-

1086 Answer the following question concerning IMAGE SX 83

How many white dots are contained in the intersection of the square and the triangle?

- A) 5
 - B) 8
 - C) 0
 - D) 13
 - E) 2
-

1087 Answer the following question concerning IMAGE SX 83

How many white dots are contained in the intersection of the circle and the triangle?

- A) 3
 - B) 2
 - C) 1
 - D) 0
 - E) 5
-

1088 Answer the following question concerning IMAGE SX 83

How many white dots are contained in the square, excluding the area it has in common with the triangle?

- A) 15
 - B) 8
 - C) 9
 - D) 11
 - E) 10
-

1089 Answer the following question concerning IMAGE SX 83

How many black dots are contained altogether in the square and in the triangle?

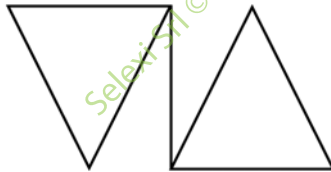
- A) 24
 - B) 26
 - C) 23
 - D) 25
 - E) 30
-

1090 Answer the following question concerning IMAGE SX 83

How many black dots are contained in the intersection of the circle and the square?

- A) 3
- B) 7
- C) 4
- D) 6
- E) 5

IMAGE SY 40



1091 Answer the following question concerning IMAGE SY 40

How many couple of parallel segments are in the figure?

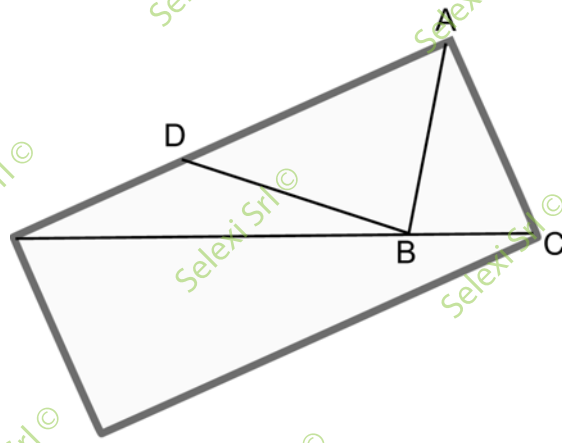
- A) 4
- B) 2
- C) 3
- D) None
- E) 6

1092 Answer the following question concerning IMAGE SY 40

How many couple of perpendicular segments are in the figure?

- A) 3
- B) 1
- C) 2
- D) None
- E) 4

IMAGE SY 78

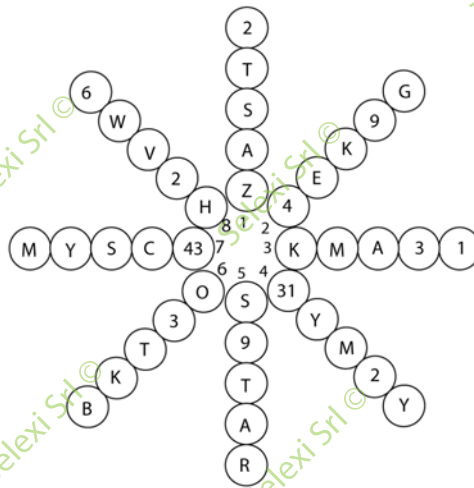


1093 Answer the following question concerning IMAGE SY 78

Which of the following statements concerning the given plane figure is true?

- A) $DB < AC$
B) $AC < BC$
C) $DB < BC > AC$
D) $AC > AB$
E) $AB < AD$

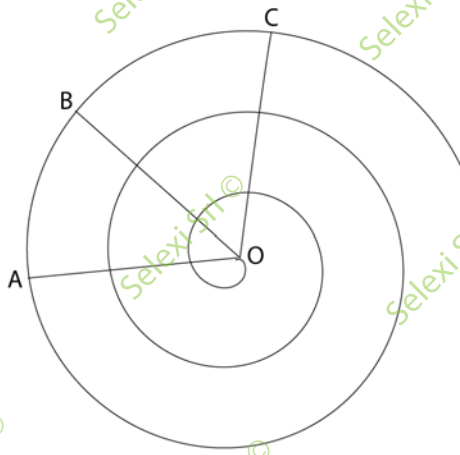
IMAGE SY 95



1094 Answer the following question concerning IMAGE SY 95

By proceeding clockwise and in increasing numerical order from line 1, determine in which lines the elements of the sequence M1STR3S2 appear for the first time and in this exact order. Please note that once you've found the right element(s) in a line, you have to move to the following line.

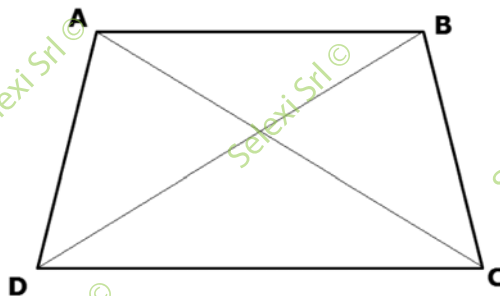
- A) 7-3-1-5-6
B) 3-5-7-8
C) 1-2-7-8
D) 2-4-5-7-8
E) 3-5-6-7-8

IMAGE SY 99

1095 Answer the following question concerning IMAGE SY 99

Which of the following statements concerning the given plane figure is true?

- A) $OA > OB > OC$
- B) $OA = OC$
- C) $OC = OB$
- D) $AO < OC < OB$
- E) $OA < OB < OC$

IMAGE TN 35

1096 Answer the following question concerning IMAGE TN 35

What can be inferred from a close observation of the shape?

- A) Segment AC is longer than segment BD
- B) Segment BD is longer than segment AC
- C) Segment AB is longer than segment CD
- D) Segment AC is as long as segment BD
- E) Segment BD is twice as long as segment AC

1097 Answer the following question concerning IMAGE TN 40

How many faces does this solid have?

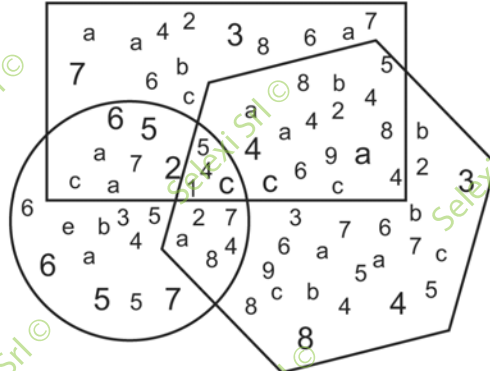
- A) 14
- B) 9
- C) 12
- D) 8
- E) 10

1098 Answer the following question concerning IMAGE TN 40

How many vertices does this solid have?

- A) 20
- B) 10
- C) 8
- D) 18
- E) 16

IMAGE TN 87



1099 Answer the following question concerning IMAGE TN 87

If "a" equals the sum of the digits contained in the intersection of the circle and the hexagon, and if "c" equals the sum of the digits contained in the intersection of the three shapes, how much is the intersection of the circle and the rectangle worth?

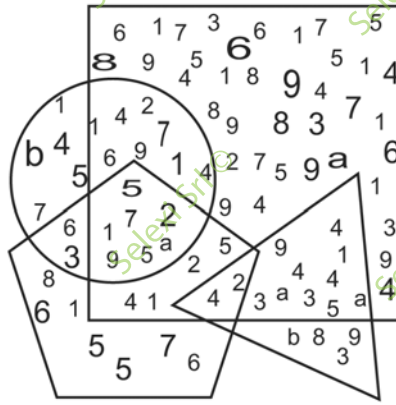
- A) 72
- B) 52
- C) 20
- D) 30
- E) 61

1100 Answer the following question concerning IMAGE TN 87

If $a = 6$ e $b = 3$, which of the following statements is correct?

- A) The sum of the figures contained in the area belonging exclusively to the circle is 48
- B) The sum of numbers contained exclusively in the hexagon is 60
- C) None of the other answers is correct
- D) The sum of the odd numbers contained in the intersection between the hexagon and the rectangle is 25
- E) The sum of the even numbers contained in the intersection between the rectangle and the hexagon is 60

IMAGE TN 91



1101 Answer the following question concerning IMAGE TN 91

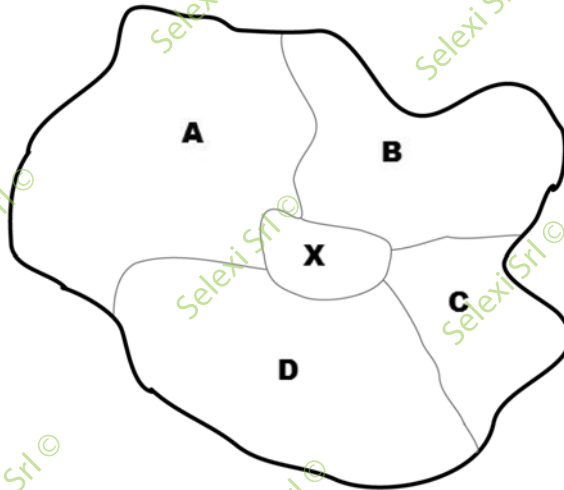
If $a = 4$ and $b = 3$, which of the following statements is correct?

- A) The area of intersection between the pentagon and the circle is 42
B) The area of intersection between the square and the circle is half the area of the triangle
C) In pentagon the number most recurrent is 1
D) In triangle the number most recurrent is 3
E) The area of intersection between the triangle and the pentagon is 8

1102 Answer the following question concerning IMAGE TN 91

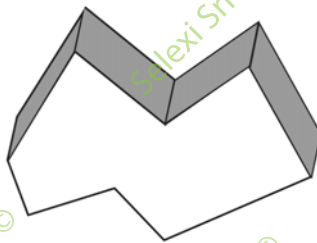
Which of the following statements is correct?

- A) Inside the square number of 6 is equal to number of 8
- B) The number of elements contained in the circle is equal to the number of elements contained in the triangle
- C) The sum of the numbers contained in the intersection between the circle and the square is an odd number
- D) The number of 6 contained in the square is less than the number of 5 contained in the pentagon
- E) None of the other options is correct

IMAGE TP 40**1103 Answer the following question concerning IMAGE TP 40**

The image shows an island that is divided up into four States: A, B, C and D. Knowing that one of them also includes region X, which of the following statements is surely true?

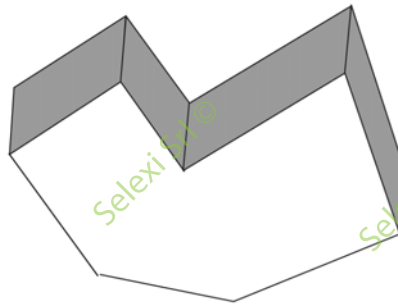
- A) If A borders on C, then B does not border on D
- B) Each State borders on every other State
- C) If X does not belong to D, C borders on A
- D) B does not border on D
- E) If A borders on C, then B borders on D

IMAGE TP 66**1104 Answer the following question concerning IMAGE TP 66**

The solid has got:

- A) 7 faces
- B) 6 faces
- C) 10 faces
- D) 8 faces
- E) 11 faces

IMAGE TP 67











































1105 Answer the following question concerning IMAGE TP 67

Which of the following statements is correct?

- A) The solid has got 7 edges
B) The solid has got 21 edges
C) The solid has got 14 edges
D) The solid has got 10 faces
E) The solid has got 7 faces

IMAGE TR 14



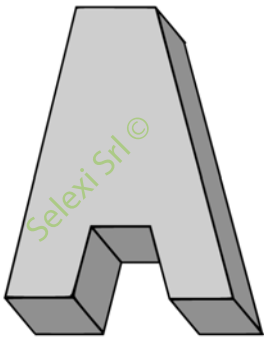
1								
2								
3								
4								
5								

1106 Answer the following question concerning IMAGE TR 14

What symbols are left, if you delete from symbol sequence A the elements contained in B?

- A) Option 3
- B) Option 1
- C) Option 5
- D) Option 4
- E) Option 2

IMAGE TR 18



1107 Answer the following question concerning IMAGE TR 18
The given solid has got:

- A) 12 faces
- B) 8 faces
- C) 7 faces
- D) 10 faces
- E) 9 faces

GRID ZZ 01

L	X	X	<	¥	L	¥	¥	¥	X
ß	ß	•	Ý	?	<	Ý	?	L	?
¥	?	?	L	>	?	¥	X	Ý	<
L	<	Ý	ß	Ý	X	X	?	X	Ý
?	Ý	<	<	?	•	ß	<	?	¥
X	Ý	L	ß	X	>	¥	?	L	?
?	¥	?	?	?	Ý	L	Ý	<	ß
>	ß	<	Ý	L	Ý	¥	?	Ý	•
ß	L	¥	>	ß	•	Ý	X	?	¥
L	L	L	Ý	<	?	X	ß	>	L

1108 Answer the following question concerning SCHEMA ZZ 01
How many ¥ symbols are contained in the grid?

- A) 9
- B) 10
- C) 11
- D) 13
- E) 12

1109 Answer the following question concerning SCHEMA ZZ 01
How many Ý symbols are contained in the grid?

- A) 14
- B) 16
- C) 13
- D) 15
- E) 17

1110 Answer the following question concerning SCHEMA ZZ 01
The number of ? symbols minus the number of Ý symbols is:

A) 5
B) 7
C) 6
D) 3
E) 4

1111 Answer the following question concerning SCHEMA ZZ 01
The number of • symbols plus the number of > symbols is:

A) 8
B) 9
C) 10
D) 7
E) 11

1112 Answer the following question concerning SCHEMA ZZ 01
The number of X symbols plus the number of ß symbols is:

A) 19
B) 21
C) 20
D) 17
E) 22

1113 Answer the following question concerning SCHEMA ZZ 01
The number of < symbols minus the number of > symbols is:

A) 3
B) 4
C) 5
D) 6
E) 10

GRID ZZ 02

M	Y	Y	>	§	M	§	§	§	Y
ç	ç	@	*	\$	>	*	\$	M	\$
§	\$	\$	M	Δ	\$	§	Y	*	>
M	>	*	ç	*	Y	Y	\$	Y	*
\$	*	>	>	\$	@	ç	>	\$	§
Y	*	M	ç	Y	Δ	§	\$	M	\$
\$	§	\$	\$	\$	*	M	*	>	ç
Δ	ç	>	*	M	*	§	\$	*	@
ç	M	§	Δ	ç	@	*	Y	\$	§
M	M	M	*	>	\$	Y	ç	Δ	M

1114 Answer the following question concerning SCHEMA ZZ 02
The number of Δ's minus the number of Y's is:

A) 6
B) −5
C) −6
D) 7
E) 5

1115 Answer the following question concerning SCHEMA ZZ 02

Which of the following symbols appears the smallest number of times in the grid?

- A) §
 - B) >
 - C) *
 - D) M
 - E) @
-

1116 Answer the following question concerning SCHEMA ZZ 02

The number of @ symbols minus the number of Δ symbols is:

- A) 1
 - B) 2
 - C) -3
 - D) -1
 - E) -2
-

1117 Answer the following question concerning SCHEMA ZZ 02

The number of § symbols minus the number of @ symbols is:

- A) 6
 - B) 8
 - C) -8
 - D) -6
 - E) 9
-

1118 Answer the following question concerning SCHEMA ZZ 02

How many ç symbols are contained in the grid?

- A) 10
 - B) 11
 - C) 21
 - D) 15
 - E) 18
-

1119 Answer the following question concerning SCHEMA ZZ 02

The number of @ symbols minus the number of § symbols is:

- A) -8
 - B) -7
 - C) -6
 - D) 8
 - E) 7
-

1120 Answer the following question concerning SCHEMA ZZ 02

The number of § symbols minus the number of > symbols is:

- A) -1
 - B) -2
 - C) 1
 - D) -3
 - E) 2
-

GRID ZZ 03

◊	#	#	ç	&	◊	&	&	&	#
£	£	@	*	\$	ç	*	\$	◊	\$
&	\$	\$	◊	Δ	\$	&	#	*	ç
◊	ç	*	£	*	#	#	\$	#	*
\$	*	ç	ç	\$	@	£	ç	\$	&
#	*	◊	£	#	Δ	&	\$	◊	\$
\$	&	\$	\$	\$	*	◊	*	ç	£
Δ	£	ç	*	◊	*	&	\$	*	@
£	◊	&	Δ	£	@	*	#	\$	&
◊	◊	◊	*	ç	\$	#	£	Δ	◊

1121 Answer the following question concerning SCHEMA ZZ 03

How many ç symbols are contained in the grid?

- A) 11
- B) 6
- C) 7
- D) 10
- E) 9

1122 Answer the following question concerning SCHEMA ZZ 03

The number of \$ symbols minus the number of # symbols is:

- A) 9
- B) 5
- C) 8
- D) 7
- E) 16

1123 Answer the following question concerning SCHEMA ZZ 03

How many £ symbols are contained in the grid?

- A) 10
- B) 22
- C) 19
- D) 9
- E) 12

GRID ZZ 04

μ	f	f	°	»	μ	»	»	»	f
R	R	Q	ß	%	°	ß	%	μ	%
»	%	%	μ	¼	%	»	f	ß	°
μ	°	ß	R	ß	f	f	%	f	ß
%	ß	°	°	%	Q	R	°	%	»
f	ß	μ	R	f	¼	»	%	μ	%
%	»	%	%	%	ß	μ	ß	°	R
¼	R	°	ß	μ	ß	»	%	ß	Q
R	μ	»	¼	R	Q	ß	f	%	»
μ	μ	μ	ß	°	%	f	R	¼	μ

1124 Answer the following question concerning SCHEMA ZZ 04
How many R's are contained in the grid?

- A) 13
- B) 23
- C) 10
- D) 20
- E) 9

GRID ZZ 06

Y	>	>	\$	©	Y	©	©	©	>
?	?	>	\$	°	\$	\$	°	Y	°
©	°	°	Y	»	°	©	>	\$	\$
Y	\$	\$?	\$	>	>	°	>	\$
°	\$	\$	\$	°	>	?	\$	°	©
>	\$	Y	?	>	»	©	°	Y	°
°	©	°	°	°	\$	Y	\$	\$?
»	?	\$	\$	Y	\$	©	°	\$	>
?	Y	©	»	?	>	\$	>	°	©
Y	Y	Y	\$	\$	°	>	?	»	Y

1125 Answer the following question concerning SCHEMA ZZ 06
How many \$ symbols are contained in the grid?

- A) 3
- B) 10
- C) 4
- D) 8
- E) 9

GRID ZZ 07

A	W	W	@	*	A	*	*	W
\$	\$	Δ	Đ	²	@	Đ	²	A
*	²	²	A	Đ	²	*	W	Đ
A	@	Đ	\$	Đ	W	W	²	W
²	Đ	@	@	²	Δ	\$	@	*
W	Đ	A	\$	W	Đ	*	²	A
²	*	²	²	Đ	A	Đ	@	\$
Đ	\$	@	Đ	A	Đ	*	²	Đ
\$	A	*	Đ	\$	Δ	Đ	W	²
A	A	A	Đ	@	²	W	\$	Đ

1126 Answer the following question concerning SCHEMA ZZ 07

How many @ symbols are contained in the grid?

- A) 10
- B) 2
- C) 3
- D) 7
- E) 9

GRID ZZ 08

©	•	•	Ý	◇	©	◇	◇	◇	•
#	#	ç	&	?	Ý	&	?	©	?
◇	?	?	©	>	?	◇	•	&	Ý
©	Ý	&	#	&	•	•	?	•	&
?	&	Ý	Ý	?	ç	#	Ý	?	◇
•	&	©	#	•	>	◇	?	©	?
?	◇	?	?	?	&	©	&	Ý	#
>	#	Ý	&	©	&	◇	?	&	ç
#	©	◇	>	#	ç	&	•	?	◇
©	©	©	&	Ý	?	•	#	>	©

1127 Answer the following question concerning SCHEMA ZZ 08

How many # symbols are contained in the grid?

- A) 27
- B) 10
- C) 17
- D) 24
- E) 9

GRID ZZ 09

»	R	R	X	&	»	&	&	&	R
<	<	¥	f	³	X	f	³	»	³
&	³	³	»	#	³	&	R	f	X
»	X	f	<	f	R	R	³	R	f
³	f	X	X	³	¥	<	X	³	&
R	f	»	<	R	#	&	³	»	³
³	&	³	³	³	f	»	f	X	<
#	<	X	f	»	f	&	³	f	¥
<	»	&	#	<	¥	f	R	³	&
»	»	»	f	X	³	R	<	#	»

1128 Answer the following question concerning SCHEMA ZZ 09

The number of X's minus the number of # symbols is:

- A) 10
- B) 5
- C) 4
- D) 8
- E) 2

1129 Answer the following question concerning SCHEMA ZZ 09

How many < symbols can be found in the grid?

- A) 13
- B) 10
- C) 26
- D) 16
- E) 8

1130 Answer the following question concerning SCHEMA ZZ 09

The number of &'s plus the number of ¥ symbols is:

- A) 16
- B) 26
- C) 13
- D) 15
- E) 17

1131 Answer the following question concerning SCHEMA ZZ 09

How many X's can be found in the grid?

- A) 9
- B) 3
- C) 6
- D) 1
- E) 10

1132 Answer the following question concerning SCHEMA ZZ 09

The number of ³'s minus the number of R's is:

- A) 7
- B) 10
- C) 5
- D) 11
- E) 8

1133 Answer the following question concerning SCHEMA ZZ 09**The number of » symbols plus the number of &'s is:**

- A) 19
 B) 12
 C) 26
 D) 9
 E) 8

GRID ZZ 11

°	»	»	#	ç	°	ç	ç	ç	»
U	U	A	>	Δ	#	>	Δ	°	Δ
ç	Δ	Δ	°	§	Δ	ç	»	>	#
°	#	>	U	>	»	»	Δ	»	>
Δ	>	#	#	Δ	A	U	#	Δ	ç
»	>	°	U	»	§	ç	Δ	°	Δ
Δ	ç	Δ	Δ	Δ	>	°	>	#	U
§	U	#	>	°	>	ç	Δ	>	A
U	°	ç	§	U	A	>	»	Δ	ç
°	°	°	>	#	Δ	»	U	§	°

1134 Answer the following question concerning SCHEMA ZZ 11**The number of Δ symbols minus the number of » symbols is:**

- A) 8
 B) 2
 C) 4
 D) 13
 E) 20

GRID ZZ 16

>	§	§	©	Δ	>	Δ	Δ	Δ	§
E	E	F	%	£	©	%	£	>	£
Δ	£	£	>	•	£	Δ	§	%	©
>	©	%	E	%	§	§	£	§	%
£	%	©	©	£	F	E	©	£	Δ
§	%	>	E	§	•	Δ	£	>	£
£	Δ	£	£	£	%	>	%	©	E
•	E	©	%	>	%	Δ	£	%	F
E	>	Δ	•	E	F	%	§	£	Δ
>	>	>	%	©	£	§	E	•	>

1135 Answer the following question concerning SCHEMA ZZ 16**The number of © symbols minus the number of • symbols is:**

- A) 15
 B) 12
 C) 14
 D) 5
 E) 20

GRID ZZ 20

μ	f	°	»	»	°	R	Q	μ	ß
Q	%	¼	Q	f	μ	¼	R	¼	¼
¼	μ	°	¼	»	»	¼	Q	μ	%
°	%	f	μ	R	f	»	μ	¼	»
f	R	»	%	¼	μ	%	°	Q	Q
μ	ß	°	f	»	°	¼	%	f	¼
μ	Q	Q	¼	μ	¼	»	μ	%	μ
f	%	°	»	¼	μ	R	¼	°	μ
»	R	f	¼	Q	°	ß	%	%	Q
°	μ	R	°	f	ß	μ	μ	R	°

1136 Answer the following question concerning SCHEMA ZZ 20

The number of ° symbols minus the number of R symbols is:

- A) 2
- B) 3
- C) 4
- D) 5
- E) 1

GRID ZZ 22

Y	>	§	©	©	§	?	>	Y	§
>	°	»	>	>	Y	»	?	»	»
»	Y	§	»	©	©	»	>	Y	°
§	°	>	Y	?	>	©	Y	»	©
>	?	©	°	»	Y	°	§	>	>
Y	§	§	>	©	§	»	°	>	»
Y	>	>	»	Y	»	©	Y	°	Y
>	°	§	©	»	Y	?	»	§	Y
©	?	>	»	>	§	§	°	°	>
§	Y	?	§	>	§	Y	Y	?	§

1137 Answer the following question concerning SCHEMA ZZ 22

How many ? symbols are contained in the grid?

- A) 11
- B) 8
- C) 9
- D) 10
- E) None of the other answers is correct

GRID ZZ 23

A	W	@	*	*	@	\$	Δ	A	Đ
Δ	²	Đ	Δ	W	A	Đ	\$	Đ	Đ
Đ	A	@	Đ	*	*	Đ	Δ	A	²
@	²	W	A	\$	W	*	A	Đ	*
W	\$	*	²	Đ	A	²	@	Δ	Δ
A	Đ	@	W	*	@	Đ	²	W	Đ
A	Δ	Δ	Đ	A	Đ	*	A	²	A
W	²	@	*	Đ	A	\$	Đ	@	A
*	\$	W	Đ	Δ	@	Đ	²	²	Δ
@	A	\$	@	W	Đ	A	A	\$	@

1138 Answer the following question concerning SCHEMA ZZ 23

The number of Δ symbols plus the number of Đ symbols is:

- A) 10
- B) 15
- C) 13
- D) 14
- E) 20

GRID ZZ 26

@	\$	\$	Δ	Δ	\$	E	F	@	²
F	Đ	μ	F	\$	@	μ	E	μ	μ
μ	@	\$	μ	Δ	Δ	μ	F	@	Đ
\$	Đ	\$	@	E	\$	Δ	@	μ	Δ
\$	E	Δ	Đ	μ	@	Đ	\$	F	F
@	²	\$	\$	Δ	\$	μ	Đ	\$	μ
@	F	F	μ	@	μ	Δ	@	Đ	@
\$	Đ	\$	Δ	μ	@	E	μ	\$	@
Δ	E	\$	μ	F	\$	²	Đ	Đ	F
\$	@	E	\$	\$	²	@	@	E	\$

1139 Answer the following question concerning SCHEMA ZZ 26

The number of \$ symbols minus the number of § symbols is:

- A) 6
- B) 3
- C) 7
- D) 2
- E) 0

GRID ZZ 27

°	»	#	ç	ç	#	U	A	>
A	Δ	§	A	»	°	§	U	§
§	°	#	§	ç	ç	§	A	°
#	Δ	»	°	U	»	ç	°	§
»	U	ç	Δ	§	°	Δ	#	A
°	>	#	»	ç	#	§	Δ	»
°	A	A	§	°	§	ç	°	Δ
»	Δ	#	ç	§	°	U	§	#
ç	U	»	§	A	#	>	Δ	Δ
#	°	U	#	»	>	°	°	U

1140 Answer the following question concerning SCHEMA ZZ 27

How many § symbols are contained in the grid?

- A) 10
- B) 16
- C) 13
- D) 8
- E) 21

GRID ZZ 34

◊	μ	μ	Đ	Y	◊	Y	Y	Y	μ
A	A	©	»	@	Đ	»	@	◊	@
Y	@	@	◊	°	@	A	μ	»	Đ
◊	Đ	»	A	»	μ	μ	@	μ	»
@	»	Đ	Đ	@	©	A	Đ	@	Y
μ	»	◊	A	μ	°	Y	@	◊	@
@	A	@	@	@	»	◊	»	Đ	A
°	A	Đ	»	◊	»	A	@	»	©
A	◊	Y	°	A	©	»	©	»	Y
◊	◊	◊	»	Đ	@	μ	A	°	◊

1141 Answer the following question concerning SCHEMA ZZ 34

The number of » symbols minus the number of Y symbols is:

- A) 6
- B) 7
- C) 11
- D) 5
- E) 10

GRID ZZ 36

ç	³	³	•	§	ç	§	§	§	³
@	@	≈	X	\$	•	X	\$	ç	\$
§	\$	\$	ç	#	\$	@	³	X	•
ç	•	X	@	X	³	³	\$	³	X
\$	X	•	•	\$	≈	@	•	\$	§
³	X	ç	@	³	#	§	\$	ç	\$
\$	@	\$	\$	\$	X	ç	X	•	@
#	@	•	X	ç	X	@	\$	X	≈
@	ç	§	#	@	≈	X	≈	X	\$
ç	ç	ç	X	•	\$	³	@	#	ç

1142 Answer the following question concerning SCHEMA ZZ 36

The number of X symbols minus the number of § symbols is:

- A) 9
- B) 13
- C) 8
- D) 7
- E) 15

GRID ZZ 39

@	Q	Q	ç	>	@	>	>	>	Q
Δ	Δ	§	¥	S	ç	¥	S	@	S
>	S	S	@	A	S	Δ	Q	¥	ç
@	ç	¥	Δ	¥	Q	Q	S	Q	¥
S	¥	ç	ç	S	§	Δ	ç	S	>
Q	¥	@	Δ	Q	A	>	S	@	S
S	Δ	S	S	S	¥	@	¥	ç	Δ
A	Δ	ç	¥	@	¥	Δ	S	¥	§
Δ	@	>	A	Δ	§	¥	§	¥	>
@	@	@	¥	ç	S	Q	Δ	A	@

1143 Answer the following question concerning SCHEMA ZZ 39

The number of ¥ symbols minus the number of > symbols is:

- A) 10
- B) 7
- C) 14
- D) 9
- E) 5

GRID ZZ 47

?	*	*	p	Δ	?	Δ	Δ	Δ	*
S	S	X	≈	©	p	≈	©	?	©
Δ	©	©	?	£	©	S	*	≈	p
?	p	≈	S	≈	*	*	©	*	≈
©	≈	p	p	©	X	S	p	©	Δ
*	≈	?	S	*	£	Δ	©	?	©
©	S	©	©	©	≈	?	≈	p	S
£	S	p	≈	?	≈	S	©	≈	X
S	?	Δ	£	S	X	≈	X	≈	Δ
?	?	?	≈	p	©	*	S	£	?

1144 Answer the following question concerning SCHEMA ZZ 47

The number of © symbols minus the number of p symbols is:

- A) 8
- B) 13
- C) 7
- D) 1
- E) 0

GRID ZZ 53

&	»	@	@	@	©	*	◇	◇	»
*	&	&	&	»	&	Δ	ç	©	&
©	◇	Δ	◇	Δ	&	◇	&	»	&
ç	ç	©	©	@	Δ	*	◇	Δ	»
»	◇	ç	◇	ç	©	ç	ç	&	ç
Δ	©	&	ç	&	&	»	*	Δ	»
&	ç	&	◇	*	ç	◇	ç	◇	*
&	@	ç	©	&	©	ç	ç	&	@
»	*	&	ç	Δ	@	»	&	ç	*
&	ç	◇	&	*	Δ	&	◇	©	&

1145 Answer the following question concerning SCHEMA ZZ 53

The number of & symbols minus the number of » symbols is:

- A) 0
- B) 4
- C) -3
- D) 5
- E) 1

GRID ZZ 54

£	Y	\$	\$	\$?	\$	#	#	Y
\$	<	£	<	Y	<	Q	U	?	<
?	#	Q	#	Q	£	#	<	Y	<
U	U	?	?	\$	Q	\$	#	Q	Y
Y	#	U	#	U	?	U	U	<	U
Q	?	<	U	£	<	Y	\$	Q	Y
£	U	£	#	\$	U	#	U	#	\$
<	\$	U	?	<	?	U	U	£	\$
Y	\$	<	U	Q	\$	Y	<	U	\$
£	U	#	£	\$	Q	<	#	?	£

1146 Answer the following question concerning SCHEMA ZZ 54

The number of \$ symbols minus the number of ? symbols is:

- A) -3
- B) 2
- C) 4
- D) none of the other answers is correct
- E) 0

1147 Answer the following question concerning SCHEMA ZZ 54

The number of £ symbols minus the number of Y symbols is:

- A) -1
- B) 3
- C) -4
- D) 0
- E) 2

GRID ZZ 56

©	ß	Δ	Δ	Δ	\$	•	&	&	ß
•	f	©	f	ß	f	²	>	\$	f
\$	&	²	&	²	©	&	f	ß	f
>	>	\$	\$	Δ	Δ	•	&	²	ß
ß	&	>	&	>	\$	>	>	f	>
²	\$	f	>	©	f	ß	•	²	ß
©	>	©	&	•	>	&	>	&	•
f	Δ	>	\$	f	\$	>	>	©	Δ
ß	•	f	>	²	Δ	ß	f	>	•
©	>	&	©	•	²	f	&	\$	©

1148 Answer the following question concerning SCHEMA ZZ 56

The number of © symbols minus the number of ß symbols is:

- A) 0
- B) 1
- C) -7
- D) -4
- E) -1

GRID ZZ 61

ç	¥	S	S	S	I	>	Δ	Δ	¥
>	#	ç	#	¥	#	§	A	I	#
I	Δ	§	Δ	§	ç	Δ	#	¥	#
A	A	I	I	S	§	>	Δ	§	¥
¥	Δ	A	Δ	A	I	A	A	#	A
§	I	#	A	ç	#	¥	>	§	¥
ç	A	ç	Δ	>	A	Δ	A	Δ	¥
#	S	A	I	#	I	A	A	ç	S
¥	>	#	A	§	S	¥	#	A	>
ç	A	Δ	ç	>	§	#	Δ	I	ç

1149 Answer the following question concerning SCHEMA ZZ 61

The number of S symbols minus the number of I symbols is:

- A) 7
- B) none of the other answers is correct
- C) 8
- D) -3
- E) 2

GRID ZZ 67

◇	#	ç	&	&	ç	£	@	◇	©
@	I	-	@	#	◇	-	£	-	-
-	◇	ç	-	&	&	-	@	◇	I
ç	I	#	◇	£	#	&	◇	-	&
#	£	&	I	◇	I	ç	@	@	
◇	©	ç	#	&	ç	-	I	#	-
©	@	@	-	◇	-	&	◇	I	◇
#	I	ç	&	-	◇	£	©	ç	◇
&	£	#	-	@	ç	©	I	I	@
ç	◇	£	ç	#	©	◇	©	£	ç

1150 Answer the following question concerning SCHEMA ZZ 67

The number of @ symbols minus the number of ç symbols is:

- A) 6
- B) 2
- C) 3
- D) -3
- E) 0

GRID ZZ 69

Đ	²	Ɔ	@	@	Ɔ	§	ç	Đ	©
ç	•	Ý	ç	²	Đ	Ý	§	Ý	Ý
Ý	Đ	Ɔ	Ý	@	@	Ý	ç	Đ	•
Ɔ	•	²	Đ	§	²	@	Đ	Ý	@
²	§	@	•	Ý	Đ	•	Ɔ	ç	ç
Đ	©	Ɔ	²	@	Ɔ	Ý	•	²	Ý
©	ç	ç	Ý	Đ	Ý	@	Đ	•	Đ
²	•	Ɔ	@	Ý	Đ	§	©	Ɔ	Đ
@	§	²	Ý	ç	Ɔ	©	•	•	ç
Ɔ	Đ	§	Ɔ	²	©	Đ	©	§	Ɔ

1151 Answer the following question concerning SCHEMA ZZ 69

The number of ç symbols minus the number of § symbols is:

- A) 3
- B) 1
- C) 5
- D) 4
- E) 2

GRID ZZ 79

#	B	©	O	O	©	>	Δ	#	§
Δ	&	\$	Δ	B	#	\$	>	\$	\$
\$	#	©	\$	O	O	\$	Δ	#	&
©	&	B	#	>	B	O	#	\$	O
B	>	O	&	\$	#	&	©	Δ	Δ
#	§	©	B	O	©	\$	&	B	\$
§	Δ	Δ	\$	#	\$	O	#	&	#
B	&	©	O	\$	#	>	\$	©	#
O	>	B	\$	Δ	©	\$	&	&	Δ
©	#	>	©	B	§	#	\$	>	©

1152 Answer the following question concerning SCHEMA ZZ 79

The number of Δ symbols minus the number of > symbols is:

- A) 2
- B) 1
- C) 3
- D) 4
- E) 5

GRID ZZ 91

°	U	ç	°	Δ	»	Δ	§	U	°
»	U	Δ	#	>	>	ç	U	°	°
»	A	Δ	>	#	°	Δ	#	ç	°
#	>	°	U	#	U	Δ	>	§	>
ç	Δ	§	>	Δ	»	Δ	°	U	#
°	#	Δ	»	A	§	>	>	A	Δ
ç	>	ç	»	U	ç	°	ç	>	»
ç	Δ	»	Δ	#	Δ	>	Δ	»	U
ç	°	>	»	Δ	°	#	>	Δ	§
»	Δ	#	>	ç	Δ	U	A	ç	°

1153 Answer the following question concerning SCHEMA ZZ 91

How many U symbols are contained in the grid?

- A) 15
- B) 3
- C) 24
- D) 20
- E) 10

GRID ZZ 92

²	?	@	²	S	p	S	§	?	²
p	?	S	ç	W	W	@	?	²	²
p	>	S	W	ç	²	S	ç	@	²
ç	W	²	?	ç	?	S	W	§	W
@	S	§	W	S	p	S	²	?	ç
²	ç	S	p	>	§	W	W	>	S
@	W	@	p	?	@	²	@	W	p
@	S	p	S	ç	S	W	S	p	?
@	²	W	p	S	²	ç	W	S	§
p	S	ç	W	@	S	?	>	@	²

1154 Answer the following question concerning SCHEMA ZZ 92

The number of S symbols minus the number of p symbols is:

- A) 6
- B) 4
- C) 15
- D) 8
- E) 7

GRID ZZ 94

&	>	J	&	©	\$	©	%	&
\$	>	©	Y	\$	\$	J	>	&
\$	#	©	\$	Y	&	©	Y	J
Y	\$	&	>	Y	>	©	\$	%
J	©	%	\$	©	\$	©	&	>
&	Y	©	\$	#	%	\$	\$	#
J	\$	J	\$	>	J	&	J	\$
J	©	\$	©	Y	©	\$	©	\$
J	&	\$	\$	©	&	Y	\$	©
\$	©	Y	\$	J	©	>	#	J

1155 Answer the following question concerning SCHEMA ZZ 94

The number of Y symbols minus the number of % symbols is:

- A) 14
- B) 11
- C) 13
- D) 5
- E) 2

GRID ZZ 99

◇	@	-	ç	#	◇	◇	#	&	ç
#		◇		£	©	@		£	◇
ç	-	ç	#	&	ç	@	ç	#	£
&	@	-	◇		#	-	&	-	ç
&	#	&	£	-	&	◇	-	@	#
ç	◇	&	#	◇	ç	-	◇	ç	©
£	-	-	&		-	&	£	©	◇
@	£	@	◇	ç		◇	-		◇
◇	-	◇	-	@	#		ç		£
©	-		&	@	-	◇	@	ç	

1156 Answer the following question concerning SCHEMA ZZ 99

The number of ç symbols minus the number of £ symbols is:

- A) 3
- B) 6
- C) 5
- D) 2
- E) 4

1157 Answer the following question concerning SCHEMA ZZ 99

How many "-" symbols are contained in the grid?

- A) 17
- B) 16
- C) 15
- D) 6
- E) 10

1158 Answer the following question concerning SCHEMA ZZ 99

The number of ¢ symbols minus the number of # symbols is:

- A) 6
- B) 2
- C) 9
- D) 5
- E) 3

1159 Answer the following question concerning SCHEMA ZZ 99

How many £ symbols are contained in the grid?

- A) 6
- B) 9
- C) 5
- D) None of the other answers is correct
- E) 2

1160 Answer the following question concerning SCHEMA ZZ 99

The number of @ symbols plus the number of © symbols is:

- A) 13
- B) 20
- C) 10
- D) 18
- E) 14

1161 Answer the following question concerning SCHEMA ZZ 99

The number of ¢ symbols plus the number of | symbols is:

- A) 16
- B) 23
- C) 22
- D) 20
- E) 19

GRID ZN 05

»	¥	#	X	R	»	»	R	&	X
R	°	»	°	<	f	¥	°	<	»
X	#	X	R	&	X	¥	X	R	<
&	¥	#	»	°	R	#	&	#	X
&	R	&	<	#	&	»	#	¥	R
X	»	&	R	»	X	#	»	X	f
<	#	#	&	°	#	&	<	f	»
¥	<	¥	»	X	°	»	#	°	»
»	#	»	#	¥	R	°	X	°	<
f	#	°	&	¥	#	»	»	¥	X

1162 Answer the following question concerning SCHEMA ZN 05

The number of X symbols minus the number of < symbols is:

- A) 7
- B) 6
- C) 4
- D) 5
- E) 0

GRID ZN 06

@	F	μ	\$	\$	@	@	\$	Δ	\$
\$	▷	@	▷	E	²	F	▷	E	@
\$	μ	\$	\$	Δ	\$	F	\$	\$	E
Δ	F	μ	@	▷	\$	μ	Δ	μ	\$
Δ	\$	Δ	E	μ	Δ	@	μ	F	\$
\$	@	Δ	\$	@	\$	μ	@	\$	²
E	μ	▷	Δ	▷	μ	Δ	E	²	@
F	E	F	@	\$	▷	@	μ	▷	@
@	μ	@	μ	F	\$	▷	\$	▷	E
²	μ	▷	Δ	F	μ	@	@	F	\$

1163 Answer the following question concerning SCHEMA ZN 06

How many μ symbols are contained in the grid?

- A) 19
- B) 12
- C) 9
- D) 7
- E) 16

GRID ZN 11

#	\$	\$	O	B	#	#	B	>	O
B	⊙	#	⊙	Δ	&	\$	⊙	Δ	#
O	\$	O	B	>	O	\$	O	B	Δ
>	\$	\$	#	⊙	B	\$	>	\$	O
>	B	>	Δ	\$	>	#	\$	\$	B
O	#	>	B	#	O	\$	#	O	&
Δ	\$	\$	>	⊙	\$	>	Δ	&	#
\$	Δ	\$	#	O	⊙	#	\$	⊙	#
#	\$	#	\$	\$	B	⊙	O	⊙	Δ
&	\$	⊙	>	\$	\$	#	#	\$	O

1164 Answer the following question concerning SCHEMA ZN 11

The number of O symbols minus the number of B symbols is:

- A) 9
- B) 4
- C) 6
- D) 3
- E) 0

GRID ZN 14

◊	A	Y	◊	@	μ	@	<	A	◊
μ	A	@	Đ	»	»	A	A	◊	◊
μ	©	@	»	Đ	◊	@	Đ	Y	◊
Đ	»	◊	A	Đ	A	@	»	<	»
Y	@	<	»	@	μ	@	◊	A	Đ
◊	Đ	@	μ	©	<	»	»	©	@
Y	»	A	μ	A	Y	◊	A	»	μ
Y	@	μ	@	Đ	@	»	@	©	A
Y	◊	»	μ	@	◊	Đ	»	»	<
μ	@	Đ	»	Y	@	A	©	Y	◊

1165 Answer the following question concerning SCHEMA ZN 14

The number of @ symbols minus the number of Đ symbols is:

- A) 6
- B) 7
- C) 10
- D) 4
- E) 8

GRID ZN 18

£	\$?	£	Q	P	Q	<	\$	£
P	\$	Q	\$	<	<	\$	\$	£	£
P	#	Q	<	\$	£	Q	\$?	£
\$	<	£	\$	\$	\$	Q	<	<	<
?	Q	<	<	Q	P	Q	£	\$	\$
£	\$	Q	P	#	<	<	<	#	Q
?	<	\$	P	\$?	£	\$	<	P
?	Q	P	Q	\$	Q	<	Q	#	\$
?	£	<	P	Q	£	\$	<	<	<
P	Q	\$	<	?	Q	\$	#	?	£

1166 Answer the following question concerning SCHEMA ZN 18

How many \$ symbols are contained in the grid?

- A) 19
- B) 21
- C) 10
- D) 13
- E) 18

GRID ZN 20

©	•	\$	©	²	ß	²	<	•	©
ß	•	²	Δ	f	f	•	•	©	©
ß	&	²	f	Δ	©	²	Δ	\$	©
Δ	f	©	•	Δ	•	²	f	<	f
\$	²	<	f	²	ß	²	©	•	Δ
©	Δ	²	ß	&	<	f	f	&	²
\$	f	•	ß	•	\$	©	•	f	ß
\$	²	ß	²	Δ	²	f	²	&	•
\$	©	f	ß	²	©	Δ	f	f	<
ß	²	Δ	f	\$	²	•	&	\$	©

1167 Answer the following question concerning SCHEMA ZN 20

The number of *f* symbols minus the number of \$ symbols is:

- A) 9
- B) 7
- C) 10
- D) 14
- E) 12

GRID ZN 25

ç	>	K	ç	\$	¥	\$	<	>	ç
¥	>	\$	W	#	#	>	>	ç	ç
¥	Δ	\$	#	W	ç	\$	W	K	ç
W	#	ç	>	W	>	\$	#	<	#
K	\$	<	#	\$	¥	\$	ç	>	W
ç	W	\$	¥	Δ	<	#	#	Δ	\$
K	#	>	¥	>	K	ç	>	#	¥
K	\$	¥	\$	W	\$	#	\$	Δ	>
K	ç	#	¥	\$	ç	W	#	#	<
¥	\$	W	#	K	\$	>	Δ	K	ç

1168 Answer the following question concerning SCHEMA ZN 25

The number of > symbols plus the number of ¥ symbols is:

- A) 22
- B) 16
- C) 23
- D) 24
- E) 17

GRID ZN 26

&	V	>	&	≈	f	≈	<	V	&
f	V	≈	•	\$	\$	V	V	&	&
f	W	≈	\$	•	&	≈	•	>	&
•	\$	&	V	•	V	≈	\$	<	\$
>	≈	<	\$	≈	f	≈	&	V	•
&	•	≈	f	W	<	\$	\$	W	≈
>	\$	V	f	V	>	&	V	\$	f
>	≈	f	≈	•	≈	\$	≈	W	V
>	&	\$	f	≈	&	•	\$	\$	<
f	≈	•	\$	>	≈	V	W	>	&

1169 Answer the following question concerning SCHEMA ZN 26
The number of ≈ symbols minus the number of • symbols is:

- A) 5
- B) 13
- C) 6
- D) 8
- E) 0

GRID ZN 28

>	\$	\$	>	%	#	%	<	\$	>
#	\$	%	μ	©	©	\$	\$	>	>
#	μ	%	©	μ	>	%	μ	\$	>
μ	©	>	\$	μ	\$	%	©	<	©
\$	%	<	©	%	#	%	>	\$	μ
>	μ	%	#	μ	<	©	©	μ	%
\$	©	\$	#	\$	\$	>	\$	©	#
\$	%	#	%	μ	%	©	%	μ	\$
\$	>	©	#	%	>	μ	©	©	<
#	%	μ	©	\$	%	\$	μ	\$	>

1170 Answer the following question concerning SCHEMA ZN 28
The number of © symbols minus the number of § symbols is:

- A) 5
- B) 2
- C) 1
- D) 7
- E) 10

GRID ZN 39

◊	»	ç	≈	&	>	◊	J	&	◊
&	J	@	≈	@	ç	≈	Δ	»	≈
Δ	◊	>	ç	≈	J	◊	≈	J	@
Δ	J	@	ç	@	≈	@	ç	≈	◊
Δ	&	>	Δ	≈	◊	»	J	>	»
ç	J	◊	>	ç	J	≈	ç	Δ	>
»	>	@	»	≈	&	@	≈	&	J
@	≈	J	@	≈	»	≈	≈	J	@
@	ç	&	>	J	>	@	◊	≈	ç
&	J	J	&	≈	&	»	Δ	»	◊

1171 Answer the following question concerning SCHEMA ZN 39

The number of Δ symbols minus the number of ç symbols is:

- A) none of the other answers is correct
- B) 8
- C) 10
- D) -3
- E) 0

GRID ZN 40

#	?	K	W	<	Δ	#	>	<	#
<	>	\$	W	\$	K	W	G	?	W
G	#	Δ	K	W	>	#	W	>	\$
G	>	\$	K	\$	W	\$	K	W	#
G	<	Δ	G	W	#	?	>	Δ	?
K	>	#	Δ	K	>	W	K	G	Δ
?	Δ	\$?	W	<	\$	W	<	>
\$	W	>	\$	W	?	W	W	>	\$
\$	K	<	Δ	>	Δ	\$	#	W	K
<	>	>	<	W	<	?	G	?	#

1172 Answer the following question concerning SCHEMA ZN 40

How many ? symbols are contained in the grid?

- A) 11
- B) 17
- C) 9
- D) 7
- E) 12

1173 Answer the following question concerning SCHEMA ZN 40

The number of Gs minus the number of Ks is:

- A) 11
- B) 9
- C) -3
- D) none of the other answers is correct
- E) 3

1174 Answer the following question concerning SCHEMA ZN 40

The number of # symbols plus the number of \$ symbols is:

- A) 23
- B) 15
- C) 20
- D) none of the other answers is correct
- E) 25

1175 Answer the following question concerning SCHEMA ZN 40

How many < symbols can be found in the grid?

- A) 14
- B) None of the other answers is correct
- C) 13
- D) 11
- E) 12

GRID ZN 41

ç	>	I	A	¥	§	ç	#	¥	ç
¥	#	Δ	A	Δ	I	A	S	>	A
S	ç	§	I	A	#	ç	A	#	Δ
S	#	Δ	I	Δ	A	Δ	I	A	ç
S	¥	§	S	A	ç	>	#	§	>
I	#	ç	§	I	#	A	I	S	§
>	§	Δ	>	A	¥	Δ	A	¥	#
Δ	A	#	Δ	A	>	A	A	#	Δ
Δ	I	¥	§	#	§	Δ	ç	A	I
¥	#	#	¥	A	¥	>	S	>	ç

1176 Answer the following question concerning SCHEMA ZN 41

How many ¥ symbols are contained in the grid?

- A) None of the other answers is correct
- B) 11
- C) 12
- D) 8
- E) 7

1177 Answer the following question concerning SCHEMA ZN 41

How many > symbols are contained in the grid?

- A) 11
- B) 9
- C) 13
- D) 16
- E) 3

1178 Answer the following question concerning SCHEMA ZN 41

The number of S minus the number of I is equal to:

- A) -2
- B) 3
- C) None of the other answer is correct
- D) -3
- E) 17

1179 Answer the following question concerning SCHEMA ZN 41**The number of ¢ minus the number of Δ is equal to:**

- A) 3
 B) 23
 C) None of the other answer is correct
 D) 22
 E) 24

GRID ZN 44

	\$	\$	•	#	%	>	©	#	>
#	©	μ	•	μ	\$	•	μ	\$	•
μ	>	%	\$	•	©	>	•	©	μ
μ	©	μ	\$	μ	•	μ	\$	•	>
μ	#	%	μ	•	>	\$	©	%	\$
\$	©	>	%	\$	©	•	\$	μ	%
\$	%	μ	\$	•	#	μ	•	#	©
μ	•	©	μ	•	\$	•	•	©	μ
μ	\$	#	%	©	%	μ	>	•	\$
#	©	©	#	•	#	\$	μ	\$	>

1180 Answer the following question concerning SCHEMA ZN 44**The number of μ symbols minus the number of § symbols is:**

- A) 8
 B) 5
 C) 6
 D) 10
 E) none of the other answers is correct

GRID ZN 45

@	A	?	?	?	&	\$	£	£	A
\$	✓	@	✓	A	✓	Σ	©	&	✓
&	£	Σ	£	Σ	@	£	✓	A	✓
◇	◇	&	&	?	Σ	\$	£	Σ	A
A	£	◇	£	◇	&	◇	◇	✓	◇
Σ	&	✓	◇	@	✓	A	\$	Σ	A
@	◇	@	£	\$	◇	£	◇	£	\$
✓	?	◇	&	✓	&	◇	◇	@	?
A	\$	✓	◇	Σ	?	A	✓	◇	\$
@	◇	£	@	\$	Σ	✓	£	&	@

1181 Answer the following question concerning SCHEMA ZN 45**The number of ✓ symbols plus the number of Σ symbols is:**

- A) 28
 B) 16
 C) 20
 D) none of the other answers is correct
 E) 23

1182 Answer the following question concerning SCHEMA ZN 45
How many A symbols are contained in the grid?

- A) 9
- B) 7
- C) None of the other answers is correct
- D) 11
- E) 8

1183 Answer the following question concerning SCHEMA ZN 45
The number of ? minus the number of & is equal to:

- A) None of the other answer is correct
- B) 0
- C) -3
- D) 3
- E) 2

GRID ZN 48

M	X	X	K	¥	M	¥	¥	¥	X
ß	ß	•	≈	%	K	≈	%	M	%
¥	%	%	M	<	%	ß	X	≈	K
M	K	≈	ß	≈	X	X	%	X	≈
%	≈	K	K	%	•	ß	K	%	¥
X	≈	M	ß	X	<	¥	%	M	%
%	ß	%	%	%	≈	M	≈	K	ß
◁	ß	K	≈	M	≈	ß	%	≈	•
ß	M	¥	<	ß	•	≈	•	≈	¥
M	M	M	≈	K	%	X	ß	<	M

1184 Answer the following question concerning SCHEMA ZN 48
The number of ≈ symbols minus the number of ¥ symbols is:

- A) 5
- B) 10
- C) 4
- D) 7
- E) 8

1185 Answer the following question concerning SCHEMA ZN 48
How many K's can be found in the grid?

- A) 7
- B) 13
- C) 15
- D) 9
- E) 10

1186 Answer the following question concerning SCHEMA ZN 48
The number of ¥ symbols plus the number of K's is:

- A) 20
- B) none of the other answers is correct
- C) 10
- D) 15
- E) 17

1187 Answer the following question concerning SCHEMA ZN 48
How many M's can be found in the grid?

- A) 14
- B) 10
- C) 16
- D) 13
- E) 15

1188 Answer the following question concerning SCHEMA ZN 48
The number of % symbols minus the number of K's is:

- A) 7
- B) 8
- C) 10
- D) 4
- E) 9

1189 Answer the following question concerning SCHEMA ZN 48
The number of ß's plus the number of X's is:

- A) 23
- B) 18
- C) 25
- D) 20
- E) 24

GRID ZN 49

¥	R	Q	•	•	Q	»	f	¥	Π
f	@	μ	f	R	¥	μ	»	μ	μ
μ	¥	Q	μ	•	•	μ	f	¥	@
Q	@	R	¥	»	R	•	¥	μ	•
R	»	•	@	μ	¥	@	Q	f	f
¥	Π	Q	R	•	Q	μ	@	R	μ
Π	f	f	μ	¥	μ	•	¥	@	¥
R	@	Q	•	μ	¥	»	Π	Q	¥
•	»	R	μ	f	Q	Π	@	@	f
Q	¥	»	Q	R	Π	¥	Π	»	Q

1190 Answer the following question concerning SCHEMA ZN 49
The number of R's plus the number of »'s is:

- A) 8
- B) 19
- C) 10
- D) 21
- E) none of the other answers is correct

1191 Answer the following question concerning SCHEMA ZN 49
The number of f's minus the number of Q's is:

- A) -3
- B) -1
- C) -2
- D) 0
- E) 1

1192 Answer the following question concerning SCHEMA ZN 49

How many • symbols can be found in the grid?

- A) None of the other answers is correct
- B) 10
- C) 12
- D) 11
- E) 9

1193 Answer the following question concerning SCHEMA ZN 49

The number of f's minus the number of »'s is:

- A) 4
- B) 2
- C) 3
- D) 0
- E) 1

1194 Answer the following question concerning SCHEMA ZN 49

The number of Π's plus the number of μ's is:

- A) 18
- B) 21
- C) 25
- D) 22
- E) 20

GRID ZN 65

!	A	¼	¼	¼	ý	\$	£	£	A
\$	Đ	!	Đ	A	Đ	#	Ɔ	ý	Đ
ý	£	#	£	#	!	£	Đ	A	Đ
Ɔ	Ɔ	ý	ý	¼	#	\$	£	#	A
A	£	Ɔ	£	Ɔ	ý	Ɔ	Ɔ	Đ	Ɔ
#	ý	Đ	Ɔ	!	Đ	A	\$	#	A
!	Ɔ	!	£	\$	Ɔ	£	Ɔ	£	\$
Đ	¼	Ɔ	ý	Đ	ý	Ɔ	Ɔ	!	¼
A	\$	Đ	Ɔ	#	¼	A	Đ	Ɔ	\$
!	Ɔ	£	!	\$	#	Đ	£	ý	!

1195 Answer the following question concerning SCHEMA ZN 65

The number of ! less the number of A is:

- A) 4
- B) 1
- C) 0
- D) 8
- E) -1

1196 Correctly complete the following number sequence: 42; 65; 96; ?; ?; 128; 106; 129

- A) 97; 74
 - B) 74; 97
 - C) 65; 75
 - D) 70; 95
 - E) 75; 65
-

1197 Imogen is 45, while Sarah says she is 35, but only if she counts 5 days out of 7. What is the actual age difference between Imogen and Sarah?

- A) 6
 - B) 2
 - C) 5
 - D) 4
 - E) 3
-

1198 Correctly complete the following number sequence: 64; 28; 32; 24; 16; 20; 8; ?

- A) 18
 - B) 14
 - C) 16
 - D) 12
 - E) 10
-

1199 Vince is 35. Beverly says she is 35, but only if she counts 5 days out of 7. What's the actual age difference between Beverly and Vince?

- A) 16
 - B) 12
 - C) 14
 - D) 15
 - E) 3
-

1200 Peter is 38, while Ulrika says she is 36, but only if she counts 4 days out of 7. What's the actual age difference between Peter and Ulrika?

- A) 25
 - B) 23
 - C) 27
 - D) 26
 - E) 3
-

1201 Leonard is 42. Lana says she is 33, but only if she counts 3 days out of 7. What's the actual age difference between Leonard and Lana?

- A) 37
 - B) 33
 - C) 3
 - D) 36
 - E) 35
-

-
- 1202** Ross is 32. Diana says she is 33, but only if she counts 3 days out of 7. What's the actual age difference between Diana and Ross?
- A) 47
 - B) 45
 - C) 43
 - D) 46
 - E) 3
-
- 1203** A fruit box weighs 450 grams. If fruit represents 94% of the gross weight, what is the weight of the box when it is full of fruit?
- A) 7,050 grams
 - B) 750 grams
 - C) 7,500 grams
 - D) 3,750 grams
 - E) 7,950 grams
-
- 1204** Gabi bought a bag containing 288 marbles for her children Roland, Sylvia and Linda. She decides to divide the marbles proportionally among her children according to their ages. Knowing that Sylvia is two years younger than Roland – who is 8 –, and that Linda's age is half Roland's age, how many marbles will Linda receive?
- A) 64
 - B) 128
 - C) 96
 - D) 60
 - E) 25
-
- 1205** Ivan bought a bag containing 288 marbles for his children Ryan, Samuel and William. He decides to divide the marbles proportionally among his children according to their ages. Knowing that Samuel is two years younger than Ryan – who is 8 –, and that William's age is half Ryan's age, how many marbles will William receive?
- A) 64
 - B) 84
 - C) 112
 - D) 42
 - E) 32
-
- 1206** The turnover of a company was 100 million euros a few years ago. Then it started decreasing, dropping by 50% in the first year, by 40% in the second year and by 80% in the third year. What is the revenue at the end of the third year?
- A) 6 million euros
 - B) 10 million euros
 - C) 94 million euros
 - D) 2 million euros
 - E) 0 million euros

-
- 1207** The turnover of a company was 300 million euros a few years ago. Then it started decreasing, dropping by 60% in the first year, by 50% in the second year and by 90% in the third year. What is the revenue at the end of the third year?
- A) 3 million euros
 - B) 12 million euros
 - C) 294 million euros
 - D) 0 million euros
 - E) 6 million euros
-
- 1208** The turnover of a company was 500 million euros a few years ago. Then it started decreasing, dropping by 50% in the first year, by 40% in the second year and by 80% in the third year. What is the revenue at the end of the third year?
- A) 60 million euros
 - B) 30 million euros
 - C) 470 million euros
 - D) 10 million euros
 - E) 0 million euros
-
- 1209** The turnover of a company was 800 million euros a few years ago. Then it started decreasing, dropping by 60% in the first year, by 50% in the second year and by 90% in the third year. What is the revenue at the end of the third year?
- A) 0 million euros
 - B) 32 million euros
 - C) 784 million euros
 - D) 8 million euros
 - E) 16 million euros
-
- 1210** Julianne sells a small flat – whose market value is 40,000 euros – with a $\frac{3}{5}$ discount. What is the final price of the flat?
- A) 20,000 euros
 - B) 24,000 euros
 - C) 16,000 euros
 - D) 12,000 euros
 - E) 32,000 euros
-
- 1211** Karina sells a small flat – whose market value is 120,000 euros – with a $\frac{3}{5}$ discount. What is the final price of the flat?
- A) 96,000 euros
 - B) 72,000 euros
 - C) 36,000 euros
 - D) 60,000 euros
 - E) 48,000 euros
-
- 1212** Nicole sells a small flat – whose market value is 190,000 euros – with a $\frac{3}{5}$ discount. What is the final price of the flat?
- A) 57,000 euros
 - B) 114,000 euros
 - C) 95,000 euros
 - D) 76,000 euros
 - E) 152,000 euros
-

-
- 1213 Vivian sells a small flat – whose market value is 60,000 euros – with a $\frac{2}{5}$ discount. What is the final price of the flat?**
- A) 36,000 euros
 - B) 24,000 euros
 - C) 12,000 euros
 - D) 15,000 euros
 - E) 30,000 euros
-
- 1214 Nellie sells a small flat – whose market value is 120,000 euros – with a $\frac{2}{5}$ discount. What is the final price of the flat?**
- A) 30,000 euros
 - B) 72,000 euros
 - C) 24,000 euros
 - D) 48,000 euros
 - E) 70,000 euros
-
- 1215 Lauren sells a small flat – whose market value is 190,000 euros – with a $\frac{2}{5}$ discount. What is the final price of the flat?**
- A) 38,000 euros
 - B) 114,000 euros
 - C) 76,000 euros
 - D) 47,500 euros
 - E) 112,000 euros
-
- 1216 Layla sells a small flat – whose market value is 60,000 euros – with a $\frac{1}{5}$ discount. What is the final price of the flat?**
- A) 12,000 euros
 - B) 24,000 euros
 - C) 6,000 euros
 - D) 15,000 euros
 - E) 48,000 euros
-
- 1217 Rosie sells a small flat – whose market value is 110,000 euros – with a $\frac{1}{5}$ discount. What is the final price of the flat?**
- A) 44,000 euros
 - B) 22,000 euros
 - C) 88,000 euros
 - D) 27,500 euros
 - E) 11,000 euros
-
- 1218 Felicia sells a small flat – whose market value is 170,000 euros – with a $\frac{1}{5}$ discount. What is the final price of the flat?**
- A) 68,000 euros
 - B) 34,000 euros
 - C) 17,000 euros
 - D) 136,000 euros
 - E) 42,500 euros
-

1219 Louis sells a small flat – whose market value is 40,000 euros – with a $\frac{4}{5}$ discount. What is the final price of the flat?

- A) 30,000 euros
 - B) 8,000 euros
 - C) 16,000 euros
 - D) 32,000 euros
 - E) 24,000 euros
-

1220 Leonidas sells a small flat – whose market value is 100,000 euros – with a $\frac{4}{5}$ discount. What is the final price of the flat?

- A) 80,000 euros
 - B) 20,000 euros
 - C) 40,000 euros
 - D) 75,000 euros
 - E) 60,000 euros
-

1221 Simon sells a small flat – whose market value is 160,000 euros – with a $\frac{4}{5}$ discount. What is the final price of the flat?

- A) 128,000 euros
 - B) 96,000 euros
 - C) 64,000 euros
 - D) 120,000 euros
 - E) 32,000 euros
-

1222 Allie sells a small flat – whose market value is 70,000 euros – with a $\frac{2}{5}$ discount. How much is the discount?

- A) 28,000 euros
 - B) 42,000 euros
 - C) 14,000 euros
 - D) 17,500 euros
 - E) 40,000 euros
-

1223 Jessica sells a small flat – whose market value is 130,000 euros – with a $\frac{2}{5}$ discount. How much is the discount?

- A) 26,000 euros
 - B) 52,000 euros
 - C) 78,000 euros
 - D) 32,500 euros
 - E) 70,000 euros
-

1224 Iliana sells a small flat – whose market value is 200,000 euros – with a $\frac{2}{5}$ discount. How much is the discount?

- A) 50,000 euros
 - B) 120,000 euros
 - C) 40,000 euros
 - D) 80,000 euros
 - E) 122,000 euros
-

-
- 1225 Leonard sells a small flat – whose market value is 60,000 euros – with a $\frac{1}{5}$ discount. How much is the discount?**
- A) 48,000 euros
 - B) 12,000 euros
 - C) 6,000 euros
 - D) 15,000 euros
 - E) 24,000 euros
-
- 1226 Tecla sells a small flat – whose market value is 120,000 euros – with a $\frac{1}{5}$ discount. How much is the discount?**
- A) 48,000 euros
 - B) 96,000 euros
 - C) 24,000 euros
 - D) 30,000 euros
 - E) 12,000 euros
-
- 1227 Irma sells a small flat – whose market value is 170,000 euros – with a $\frac{1}{5}$ discount. How much is the discount?**
- A) 34,000 euros
 - B) 136,000 euros
 - C) 17,000 euros
 - D) 42,500 euros
 - E) 68,000 euros
-
- 1228 Jeanette sells a small flat – whose market value is 80,000 euros – with a $\frac{4}{5}$ discount. How much is the discount?**
- A) 48,000 euros
 - B) 16,000 euros
 - C) 32,000 euros
 - D) 60,000 euros
 - E) 64,000 euros
-
- 1229 Jennifer sells a small flat – whose market value is 130,000 euros – with a $\frac{4}{5}$ discount. How much is the discount?**
- A) 97,500 euros
 - B) 26,000 euros
 - C) 104,000 euros
 - D) 52,000 euros
 - E) 78,000 euros
-
- 1230 Yolanda sells a small flat – whose market value is 190,000 euros – with a $\frac{4}{5}$ discount. How much is the discount?**
- A) 142,500 euros
 - B) 38,000 euros
 - C) 76,000 euros
 - D) 152,000 euros
 - E) 114,000 euros
-

-
- 1231 Mrs Pierson paid 620 euros for a tv set with a 75% discount. Therefore, the original price of the item was:**
- A) 2,580 euros
 - B) 2,630 euros
 - C) 1,085 euros
 - D) 2,480 euros
 - E) around 827 euros
-
- 1232 Priscilla paid 740 euros for a tv set with a 75% discount. Therefore, the original price of the item was:**
- A) 1,295 euros
 - B) 3,110 euros
 - C) 2,960 euros
 - D) 3,060 euros
 - E) Around 987 euros
-
- 1233 Little George is playing with 291 square tesserae made of coloured wood, all the same size. By placing his tesserae side by side, he makes the largest square possible. Considering the side of each tessera as the unit of measurement "u", how much is the perimeter of the square he makes?**
- A) 238 u
 - B) 97 u
 - C) 68 u
 - D) 64 u
 - E) 72 u
-
- 1234 Remi, Rachel and Raphael buy a total of 8 kg of candies. They spend, respectively, 16 euros, 24 euros and 40 euros. If the candies are to be distributed proportionally according to the sum that each of them paid, how many candies will Rachel receive?**
- A) 4 kg
 - B) 1.2 kg
 - C) 1.6 kg
 - D) 2.4 kg
 - E) 4.8 kg
-
- 1235 Little Anna is playing with 184 square tesserae made of coloured wood, all the same size. By placing her tesserae side by side, she makes the largest square possible. Considering the side of each tessera as the unit of measurement "u", how much is the perimeter of the square she makes?**
- A) 169 u
 - B) 48 u
 - C) 56 u
 - D) 46 u
 - E) 52 u
-
- 1236 Little Bruno is playing with 303 square tesserae made of coloured wood, all the same size. By placing his tesserae side by side, he makes the largest square possible. Considering the side of each tessera as the unit of measurement "u", how much is the perimeter of the square he makes?**
- A) 72 u
 - B) 238 u
 - C) 64 u
 - D) 101 u
 - E) 68 u
-

- 1237** Lucy, Richard and Georgia buy a total of 6 kg of candies. They spend, respectively, 16 euros, 24 euros and 40 euros. If the candies are to be distributed proportionally according to the sum that each of them paid, how many candies will Lucy receive?
- A) 1.2 kg
 - B) 0.6 kg
 - C) 3 kg
 - D) 1.8 kg
 - E) 2.4 kg
- 1238** Little Angela is playing with 231 square tesserae made of coloured wood, all the same size. By placing her tesserae side by side, she makes the largest square possible. Considering the side of each tessera as the unit of measurement "u", how much is the perimeter of the square she makes?
- A) 64 u
 - B) 60 u
 - C) 77 u
 - D) 56 u
 - E) 210 u
- 1239** A container weighs 800 grams when it is full. Knowing that the empty container makes up 10% of the gross weight, what is the weight of the contents?
- A) 80 grams
 - B) 720 grams
 - C) 760 grams
 - D) 640 grams
 - E) 790 grams
- 1240** Regina, Adele and Raphaele buy a total of 15 kg of candies. They spend, respectively, 30 euros, 45 euros and 75 euros. If the candies are to be distributed proportionally according to the sum that each of them paid, how many candies will Regina receive?
- A) 7.5 kg
 - B) 4.5 kg
 - C) 6 kg
 - D) 1.5 kg
 - E) 3 kg
- 1241** Dr Cecil's library contains 160 books divided as follows: Biology, 20%; Medicine, 30%; Literature, 35%; Chemistry, 5%; History, 10%. The books of which subjects add up to 80?
- A) The Medicine and Literature books
 - B) The Biology and Literature books
 - C) The Biology and Chemistry books
 - D) None of the other answers is correct
 - E) The Biology and Medicine books
- 1242** What's the percentage discount if an item whose original cost was 50 euros is sold at 30 euros?
- A) 10%
 - B) 80%
 - C) 20%
 - D) 60%
 - E) 40%

1243 What's the percentage discount if an item whose original cost was 165 euros is sold at 99 euros?

- A) 40%
- B) 80%
- C) 66%
- D) 33%
- E) 60%

1244 Jasmine sells a small flat – whose market value is 140,000 euros – with a $\frac{3}{5}$ discount. How much is the discount?

- A) 56,000 euros
- B) 84,000 euros
- C) 42,000 euros
- D) 70,000 euros
- E) 112,000 euros

1245 Correctly complete the following number sequence: 46; 69; 100; ?; ?; 132; 110; 133

- A) 69; 79
- B) 81; 103
- C) 78; 101
- D) 74; 99
- E) 71; 108

1246 Given set $A = \{34, 35, 36\}$ and set $B = \{35, 36, 37\}$, what set results from the union of A and B?

- A) $\{35, 36\}$
- B) $\{34, 35, 36, 37\}$
- C) $\{34, 35, 36\}$
- D) $\{35, 36, 37\}$
- E) An empty set

1247 Given set $A = \{39, 40, 41\}$ and set $B = \{40, 41, 42\}$, what set results from the union of A and B?

- A) $\{39, 40, 41, 42\}$
- B) $\{40, 41\}$
- C) $\{39, 40, 41\}$
- D) $\{40, 41, 42\}$
- E) An empty set

1248 Given set $A = \{40, 41, 42\}$ and set $B = \{41, 42, 43\}$, what set results from the union of A and B?

- A) $\{40, 41, 42, 43\}$
- B) $\{41, 42\}$
- C) $\{40, 41, 42\}$
- D) $\{41, 42, 43\}$
- E) An empty set

1249 Given set $A = \{24, 25, 26\}$ and set $B = \{25, 26, 27\}$, what set results from the intersection of A and B?

- A) $\{24, 25, 26\}$
- B) An empty set
- C) $\{25, 26, 27\}$
- D) $\{25, 26\}$
- E) $\{24, 27\}$

1250 Correctly complete the following number sequence: 63; 98; 55; ?; ?; 81; 115; 150

- A) 89; 124
- B) 98; 90
- C) 85; 122
- D) 84; 129
- E) 82; 149

1251 Marina's pencil case contains 1 blue pen, 2 red pens and 3 black pens. If she takes out one at random, what is the probability that it will be a red pen?

- A) $\frac{1}{12}$
- B) 2
- C) 1
- D) $\frac{1}{3}$
- E) $\frac{1}{6}$

1252 Correctly complete the following number sequence: 2, 3, 5, 8, 13, 21, 34, ?, ?

- A) 55, 88
- B) 55, 90
- C) 55, 89
- D) 56, 90
- E) 54, 88

1253 Correctly complete the following number sequence: 20; 25; 23; 22; 26; 19; 29; 16; ?

- A) 28
- B) 23
- C) 26
- D) 35
- E) 32

1254 Dr Caleb's library contains 160 books divided as follows: Biology, 20%; Medicine, 30%; Literature, 35%; Chemistry, 5%; History, 10%. The books of which subjects add up to 40?

- A) The Literature and Chemistry books
- B) The Biology and Chemistry books
- C) The Medicine and Chemistry books
- D) The Biology and History books
- E) The Biology and Literature books

1255 Three numbers add up to 1,000. The first number is $\frac{2}{3}$ of the second, and the second is $\frac{3}{5}$ of the third. What are the three numbers?

- A) 200; 300; 500
- B) 200; 200; 600
- C) 200; 400; 400
- D) 500; 200; 300
- E) 250; 300; 450

-
- 1256** In a box there are 4 white balls, 3 yellow balls and 7 green balls. How many chances are there to draw a white or green ball?
- A) $\frac{4}{11}$
 - B) $\frac{1}{14}$
 - C) $\frac{1}{11}$
 - D) $\frac{11}{14}$
 - E) $\frac{11}{10}$
-
- 1257** Each inhabitant of a given town is black-haired or blond or brown-haired. The $\frac{3}{10}$ of the inhabitants is black-haired, and $\frac{1}{7}$ of the others is blond. How many inhabitants are brown-haired?
- A) 40%
 - B) 20%
 - C) 60%
 - D) 30%
 - E) 55.7%
-
- 1258** Three sailors peel a sack of potatoes respectively in 4, 6 and 12 hours. How many hours will they take to peel, working together, 29 sacks of potatoes?
- A) The given data are insufficient for an answer
 - B) 22
 - C) 58
 - D) 12
 - E) 116
-
- 1259** Louisa has already read $\frac{5}{8}$ of a book. Knowing she has read 340 pages so far, how many pages does the book have?
- A) 540
 - B) 544
 - C) 509
 - D) 591
 - E) 564
-
- 1260** In a gym, 41 people attend the judo course, 48 the karate course and 28 the yoga course. It is known that 26 people attend only the karate course, 14 attend both judo and yoga, 12 both yoga and karate, while only 8 members of the gym attend all three courses. How many people only attend one single course?
- A) 53
 - B) 45
 - C) 83
 - D) 57
 - E) 99
-
- 1261** A boy is 4 years old and his sister's age is three times his age. How old will his sister be when he is 12?
- A) 36
 - B) 16
 - C) 20
 - D) 24
 - E) 28

-
- 1262** The rules of a game are the following: if a number is divisible by 9, it is worth 3 points; if it is divisible by 6, it is worth 2 points. Based on these rules, which of the following numbers is worth more?
- A) 63
 - B) 73
 - C) 42
 - D) 24
 - E) 37
-
- 1263** The rules of a game are the following: if a number is divisible by 4, it is worth 6 points; if it is divisible by 6, it is worth 9 points. Based on these rules, how much is the number 48 worth?
- A) 9 points
 - B) 12 points
 - C) 15 points
 - D) 6 points
 - E) 0 points
-
- 1264** If letter N identifies any numerical (single) digit, letter P identifies any (single) even digit and letter D any (single) uneven digit, then DNND is:
- A) an even 4-digit number
 - B) divisible by 2
 - C) an odd 4-digit number
 - D) an odd 3-digit number
 - E) an odd 2-digit number
-
- 1265** If letter S identifies any numerical (single) digit, letter V identifies any (single) even digit and letter L any (single) uneven digit, then VSSL is:
- A) an odd 4-digit number
 - B) an even 4-digit number
 - C) an odd 1-digit number
 - D) an odd 2-digit number
 - E) divisible by 2
-
- 1266** If ZOP stands for a numerical (single) digit divisible by 2, ZEP stands for a numerical (single) digit divisible by 5, and ZAP a numerical (single) digit divisible by 7, how could the number 42 be written?
- A) ZOP ZOP
 - B) ZAP ZOP
 - C) ZOP ZAP
 - D) ZOP ZEP
 - E) ZEP ZOP
-
- 1267** The rules of a game are the following: if a number is divisible by 2, it is worth 7 points; if it is divisible by 7, it is worth 6 points; if it is divisible by 5, it is worth 2 points. Based on these rules, how much is the number 28 worth?
- A) 13 points
 - B) 12 points
 - C) 0 points
 - D) 10 points
 - E) 11 points

- 1268** The rules of a game are the following: if a number is divisible by 4, it is worth 8 points; if it is divisible by 7, it is worth 6 points. Based on these rules, which of the following numbers is worth more?
- A) 56
 - B) 39
 - C) 65
 - D) 49
 - E) 80
-
- 1269** If letter N identifies any numerical (single) digit, letter P identifies any (single) even digit and letter D any (single) uneven digit, then the product of the numbers ND and NP is certainly:
- A) an odd 2-digit number
 - B) an even number
 - C) an even 2-digit number
 - D) a 5-digit number
 - E) an odd 3-digit number
-
- 1270** If letter N identifies any numerical (single) digit, letter P identifies any (single) even digit and letter D any (single) uneven digit, then DNNP is:
- A) an odd 3 digit-number
 - B) an odd 5-digit number
 - C) an odd 2-digit number
 - D) an even 5-digit number
 - E) an even 1-digit number
-
- 1271** The rules of a game are the following: if a number is divisible by 3, it is worth 8 points; if it is divisible by 7, it is worth 6 points. Based on these rules, which of the following numbers is worth more?
- A) 14
 - B) 77
 - C) 56
 - D) 49
 - E) 54
-
- 1272** If ZIP stands for a numerical (single) digit divisible by 5, ZAP stands for a numerical (single) digit divisible by 4, and ZOP a numerical (single) digit divisible by 6, how could the number 84 be written?
- A) ZOP ZAP
 - B) ZAP ZAP
 - C) ZAP ZIP
 - D) ZIP ZOP
 - E) ZOP ZOP
-
- 1273** Calculate the product of the results of the following divisions: $780 / 390$ and $540 / 180$.
- A) 9
 - B) 8
 - C) 4
 - D) 6
 - E) 10

-
- 1274** If letter N identifies any numerical (single) digit, letter P identifies any (single) even digit and letter D any (single) uneven digit, then the product of the numbers NNP and PP is certainly:
- A) odd
 - B) a 5-digit number
 - C) an odd 3-digit number
 - D) even
 - E) divisible by 3
-
- 1275** The rules of a game are the following: if a number is divisible by 5, it is worth 4 points; if it is divisible by 8, it is worth 3 points. Based on these rules, which of the following numbers is worth more?
- A) 96
 - B) 56
 - C) 48
 - D) 24
 - E) 95
-
- 1276** The rules of a game are the following: if a number is divisible by 5, it is worth 6 points; if it is divisible by 4, it is worth 5 points; if it is divisible by 11, it is worth 9 points. Based on these rules, how much is the number 84 worth?
- A) 5 points
 - B) 6 points
 - C) 4 points
 - D) 10 points
 - E) 9 points
-
- 1277** Calculate the product of the results of the following divisions: $720 / 360$ and $630 / 210$.
- A) 8
 - B) 6
 - C) 4
 - D) 10
 - E) 9
-
- 1278** The rules of a game are the following: if a number is divisible by 2, it is worth 5 points; if it is divisible by 7, it is worth 4 points. Based on these rules, which of the following numbers is worth more?
- A) 63
 - B) 49
 - C) 21
 - D) 35
 - E) 24
-
- 1279** The rules of a game are the following: if a number is divisible by 4, it is worth 5 points; if it is divisible by 6, it is worth 4 points; if it is divisible by 9, it is worth 6 points. Based on these rules, how much is 68 worth?
- A) 6 points
 - B) 9 points
 - C) 5 points
 - D) 8 points
 - E) 4 points

- 1280** The rules of a game are the following: if a number is divisible by 9, it is worth 3 points; if it is divisible by 6, it is worth 2 points. Based on these rules, which of the following numbers is worth more?
- A) 24
 - B) 27
 - C) 42
 - D) 30
 - E) 12
-
- 1281** The rules of a game are the following: if a number is divisible by 2, it is worth 4 points; if it is divisible by 4, it is worth 8 points; if it is divisible by 8, it is worth 2 points. Based on these rules, how much is 40 worth?
- A) 12 points
 - B) 14 points
 - C) 4 points
 - D) 6 points
 - E) 10 points
-
- 1282** The rules of a game are the following: if a number is divisible by 8, it is worth 3 points; if it is divisible by 3, it is worth 2 points. Based on these rules, which of the following numbers is worth more?
- A) 35
 - B) 36
 - C) 27
 - D) 50
 - E) 72
-
- 1283** If ZOP stands for a numerical (single) digit divisible by 5, ZUP stands for a numerical (single) digit divisible by 8, and ZIP a numerical (single) digit divisible by 3, how could the number 36 be written?
- A) ZUP ZUP
 - B) ZIP ZOP
 - C) ZIP ZIP
 - D) ZUP ZIP
 - E) ZOP ZIP
-
- 1284** If letter E identifies any numerical (single) digit, letter H identifies any (single) even digit and letter U any (single) odd digit, then UHEU is:
- A) surely divisible by three if U is a multiple of three
 - B) either odd or even, according to the value of E
 - C) an odd 4-digit number
 - D) an even 4-digit number
 - E) divisible by 2
-
- 1285** What value would you obtain by multiplying the results of the two operations that follow?
- 700 / 350 =**
660 / 220 =
- A) 5
 - B) 4
 - C) 9
 - D) 10
 - E) 6

-
- 1286** The rules of a new game are the following: if a number is divisible by 3, it is worth 4 points; if it is divisible by 5, it is worth 2 points; if it is divisible by 7, it is worth 3 points. Based on these rules, how much is number 49 worth?
- A) 7 points
 - B) 2 points
 - C) 3 points
 - D) 5 points
 - E) 4 points
-
- 1287** If letter N identifies any numerical (single) digit, letter P identifies any (single) even digit and letter D any (single) odd digit, then the product of the numbers NNP and ND will be:
- A) divisible by 3
 - B) an odd 2-digit number
 - C) an odd 3-digit number
 - D) an even number
 - E) a 4-digit number
-
- 1288** The rules of a game are the following: if a number is divisible by 5, it is worth 7 points; if it is divisible by 6, it is worth 4 points. Based on these rules, which of the following numbers is worth more?
- A) 56
 - B) 64
 - C) 70
 - D) 104
 - E) 96
-
- 1289** If letter T identifies any numerical (single) digit, letter Z identifies any (single) even digit and letter M any (single) odd digit, then TZZ is:
- A) an odd 2-digit number
 - B) an even 2-digit number
 - C) a 4-digit number, either odd or even
 - D) an odd 4-digit number
 - E) an even 4-digit number
-
- 1290** If letter N identifies any numerical (single) digit, letter P identifies any (single) even digit and letter D any (single) odd digit, then DNNP is:
- A) an even 3-digit number
 - B) an odd 3-digit number
 - C) an even 4-digit number
 - D) an odd 4-digit number
 - E) a 4-digit number, either odd or even
-
- 1291** The rules of a game are the following: if a number is divisible by 5, it is worth 7 points; if it is divisible by 6, it is worth 4 points. Based on these rules, which of the following numbers is worth more?
- A) 76
 - B) 18
 - C) 200
 - D) 72
 - E) 90

1292 If LAC stands for a numerical (single) digit divisible by 4, LIC stands for a numerical (single) digit divisible by 7, and LUC a numerical (single) digit divisible by 9, how could the number 89 be written?

- A) LAC LAC
 - B) LUC LUC
 - C) LIC LUC
 - D) LAC LIC
 - E) LAC LUC
-

1293 If LUC stands for a numerical (single) digit divisible by 6, LOC stands for a numerical (single) digit divisible by 4, and LAC a numerical (single) digit divisible by 3, how could the number 98 be written?

- A) LOC LUC
 - B) LUC LOC
 - C) LAC LAC
 - D) LAC LOC
 - E) LOC LOC
-

1294 If TAP stands for a numerical (single) digit divisible by 5, TUP stands for a numerical (single) digit divisible by 3, and TOP a numerical (single) digit divisible by 2, how could the number 92 be written?

- A) TUP TOP
 - B) TUP TAP
 - C) TOP TAP
 - D) TUP TUP
 - E) TOP TOP
-

1295 If LIC stands for a numerical (single) digit divisible by 4, LEC stands for a numerical (single) digit divisible by 5, and LAC a numerical (single) digit divisible by 9, how could the number 89 be written?

- A) LIC LAC
 - B) LEC LAC
 - C) LAC LEC
 - D) LIC LIC
 - E) LEC LIC
-

1296 The rules of a game are the following: if a number is divisible by 4, it is worth is 6 points; if it is divisible by 9, it is worth is 5 points. Based on these rules, which of the following numbers is worth more?

- A) 33
 - B) 82
 - C) 28
 - D) 27
 - E) 63
-

1297 If LUC stands for a numerical (single) digit divisible by 3, LEC stands for a numerical (single) digit divisible by 5, and LAC a numerical (single) digit divisible by 6, how could the number 59 be written?

- A) LEC LEC
- B) LUC LAC
- C) LAC LUC
- D) LEC LUC
- E) LEC LAC

1298 Which is the difference between the results of the following divisions? $4716 / 2$ and $4714 / 2$

- A) 4
 - B) 0.5
 - C) 2
 - D) 1
 - E) 3
-

1299 Which is the difference between the results of the following divisions? $580 / 290$ and $840 / 280$

- A) 9
 - B) 8
 - C) 6
 - D) 10
 - E) 4
-

1300 The rules of a game are the following: if a number is divisible by 4, it is worth 3 points; if it is divisible by 7, its value is 5 points; if it is divisible by 9, it is worth 4 points. Based on these rules, how much is 10?

- A) 0 points
 - B) 4 points
 - C) 6 points
 - D) 2 points
 - E) 5 points
-

1301 If XEF stands for a numerical (single) digit divisible by 5, XEG stands for a numerical (single) digit divisible by 7, and XET a numerical (single) digit divisible by 4, how could the number 78 be written?

- A) XET XEF
 - B) XEG XET
 - C) XEF XEG
 - D) XET XEG
 - E) XEG XEF
-

1302 The rules of a game are the following: if a number is divisible by 4, it is worth 6 points; if it is divisible by 6, it is worth 9 points; if it is divisible by 9, it is worth 8 points. Based on these rules, how much is 52 worth?

- A) 18 points
 - B) 10 points
 - C) 6 points
 - D) 15 points
 - E) 9 points
-

1303 If letter P stands for any numerical (single) digit, letter S stands for any (single) even digit and letter G for any (single) odd digit, then SPPG is:

- A) an even one-digit number
 - B) an even four-digit number
 - C) an odd one-digit number
 - D) an odd four-digit number
 - E) divisible by 2
-

1304 If letter V stands for any numerical (single) digit, letter B stands for any (single) even digit and letter O for any (single) odd digit, then VVOO is:

- A) an even 3-digit number
- B) an even 4-digit number
- C) divisible by 2
- D) an odd 4-digit number
- E) an odd 2-digit number

1305 If TUP stands for a numerical (single) digit divisible by 5, TAP stands for a numerical (single) digit divisible by 2, and TIP a numerical (single) digit divisible by 7, how could the number 74 be written?

- A) TAP TAP
- B) TUP TAP
- C) TIP TUP
- D) TUP TIP
- E) TIP TAP

1306 The rules of a game are the following: if a number is divisible by 8, it is worth 3 points; if it is divisible by 3, it is worth 2 points. Based on these rules, which of the following numbers is worth the most?

- A) 33
- B) 57
- C) 36
- D) 24
- E) 27

1307 If:

$$@ + 8 = \$ + \$ + \pounds$$

$$\$ = 9$$

$$\pounds = -6$$

then @ equals:

- A) 4
- B) -7
- C) 8
- D) -9
- E) -10

1308 If:

$$@ + 12 + \diamond = \Delta - \diamond$$

$$@ = -5$$

$$\diamond = 4$$

then Δ equals:

- A) -10
- B) -15
- C) 10
- D) 15
- E) 3

- 1309** If:
 $7 \cdot \text{£} - 3 \cdot \$ = 22$
 $\text{£} = 2 \$$
then \$ equals:
A) 1
B) 3
C) 2
D) 7
E) 5

- 1310** If:
 $L + 5 + \$ = \text{©} + 2$
 $2 = -4 : \text{©}$
then L equals:
A) 0
B) 9
C) 6
D) the given data are insufficient to answer
E) 2

- 1311** In a pond there is a beautiful water lily. As it reproduces, the water lily spreads across the pond's surface, doubling the area it covers every day; after 30 days it has covered the entire pond. How long does it take for it to cover half the pond?
A) 2 days
B) 7 days
C) 15 days
D) It depends on the size of the pond
E) 29 days

- 1312** A snail falls into a 21 metre deep well. During the day it goes up 5 metres, but before midnight it slides back 4 meters. On what day will it succeed in coming out of the well?
A) The sixteenth
B) The twenty-first
C) The twentieth
D) The fifth
E) The seventeenth

- 1313** I had 12 balls but I lost half of them. Afterwards, I found two thirds of the balls I lost. How many balls do I have now?
A) 10
B) 7
C) 8
D) 11
E) 12

- 1314** A grocer sold 600 kg coffeebeans in May and 750 in June. What was the percentage increase?
A) 25%
B) 30%
C) 150
D) 20%
E) 13.5%

1315 In her pen case Marina has 1 blue pen, 2 red pens and 3 black pens. If she takes out a pen at random, what is the probability that it will be a red pen?

- A) 1/3
- B) 1/6
- C) 1/2
- D) 2/5
- E) 2

1316 A snail falls into a 20 metre deep well. During the day it goes up 5 metres, but before midnight it slides back 4 meters. On what day will it succeed in coming out of the well?

- A) The sixteenth
- B) The twentieth
- C) The nineteenth
- D) The seventeenth
- E) The eighteenth

1317 A snail falls into a 23 metre deep well. During the day it goes up 5 metres, but before midnight it slides back 4 meters. On what day will it succeed in coming out of the well?

- A) The twenty-third
- B) The twenty-second
- C) The nineteenth
- D) The eighteenth
- E) The twentieth

1318 If:

$$\textcircled{R} + \textcircled{R} + \textcircled{R} = \diamond + \diamond + 15$$

$$\textcircled{R} + \textcircled{R} = \diamond + \diamond + 2$$

then \textcircled{R} equals:

- A) 12
- B) 13
- C) 0
- D) 17
- E) 21

1319 Three sailors peel a sack of potatoes in 3, 4 and 6 hours. How many hours will they take to peel, working together, 15 sacks of potatoes?

- A) It is impossible to answer with the given data
- B) 12
- C) 20
- D) 40
- E) 13

1320 James tells Philip: "If you give me 7 euros, we'll have the same sum of money in our pockets!". Philip answers: "If you give me 7 euros, I'll have double your money in my pockets!". How much money do they have in the beginning respectively?

- A) 14 and 21 euros
- B) 35 and 49 euros
- C) 42 and 35 euros
- D) 28 and 42 euros
- E) 49 and 35 euros

-
- 1321** A colonel has under him two captains, each one commanding a company of 280 men. Everyone must leave the summer camp to reach the winter quarters. How many trips shall they have to make with the one 40-seat vehicle available?
- A) 14.2
 - B) 16
 - C) 14.07
 - D) 15
 - E) 14
-
- 1322** If the experimenter were in front of you, holding a cubic metre of wood by its top and bottom vertices, how many vertices would you see, including those used to hold the cube?
- A) 4
 - B) 5
 - C) 6
 - D) 7
 - E) 8
-
- 1323** If alpha is equal to beta minus delta and delta is equal to alpha plus omega, which of the following statements is correct?
- A) Beta is equal to alpha minus delta
 - B) Beta is equal to alpha minus omega
 - C) Alpha is equal to delta minus omega
 - D) Beta is equal to delta minus alpha
 - E) Omega is equal to delta plus alfa
-
- 1324** A bookcase has 6 shelves: 21 books per shelf will only occupy the first 4 shelves. If you wanted the whole bookcase to be occupied, how many books would you have to put on each shelf, making sure that the number of books is the same on each shelf?
- A) 14
 - B) 18
 - C) 16
 - D) 12
 - E) 13
-
- 1325** In how many ways can you prepare a two-flavour cone if you have these four flavours available: hazelnut, stracciatella, vanilla and chocolate?
- A) 4
 - B) 8
 - C) 10
 - D) 12
 - E) 6
-
- 1326** Your sister Brunilde is eight years old and you are three times her age. How old will you be when her age is half yours?
- A) 48
 - B) 32
 - C) 30
 - D) 40
 - E) 28
-

- 1327** In a high school classroom 12 students are taking notes and 12 students wear glasses. It can be inferred that the number of students in that classroom is:
- A) 12
 - B) 24
 - C) ≤ 12
 - D) $\neq 12$
 - E) ≥ 12
- 1328** "In the agricultural census this year, farms with livestock were found to be about 675,835 (26.1% of total farms), with a drop of 35.2% compared to 10 years ago, which indicates that a great number of farms have abandoned animal husbandry. Animal husbandry is most developed in the Po Valley, where cattle is reared with modern techniques and mainly to produce milk". Which of the following statements is contained in (or can be deduced from) the text?
- A) Ten years ago, farms with livestock were more than 900,000 and fewer than 1,000,000
 - B) In the Po Valley cattle is reared exclusively to produce milk
 - C) In the Po Valley, milk production is more profitable
 - D) In general, farms with cattle rearing facilities appear to be less profitable than ten years ago
 - E) Ten years ago farms with livestock were more than 1,000,000
- 1329** A technical high school has 1,500 students enrolled, of whom 900 are males. If you take one student at random from this school, what is the probability that the student be a male?
- A) 60%
 - B) 90%
 - C) 9%
 - D) 75%
 - E) 80%
- 1330** A tile layer covered $\frac{7}{9}$ of a floor. Knowing that he used 14 square metres of tiles, how large is the entire floor?
- A) 19 square metres
 - B) 70 square metres
 - C) 18 square metres
 - D) 9 square metres
 - E) 20 square metres
- 1331** A sporting club has got 100 members. 80 of them play golf and 15 swim in the swimming pool. Knowing that 15 members neither play golf or use the swimming pool, how many members both play golf and use the swimming pool?
- A) 70
 - B) 85
 - C) 5
 - D) 15
 - E) 10
- 1332** A film was screened in 625 cinemas in the first weekend. In the three following weeks the number of cinemas always decreased by 20% compared to the previous week. In how many cinemas was the film screened at the end of the third week?
- A) 320 cinemas
 - B) 250 cinemas
 - C) 375 cinemas
 - D) 280 cinemas
 - E) 400 cinemas

1333 A plane leaves from Paris to Milan, travelling at a speed of 600 km/h. Exactly at the same time, another plane leaves from Milan to Paris, travelling at a speed of 900 km/h. Assuming that the planes follow the same route and that Milan is 1,000 km away from Paris, at what distance from Milan will the two planes meet?

- A) 700 km
- B) 400 km
- C) 500 km
- D) 600 km
- E) 300 km

1334 An office worker walks every morning for 10 minutes at 6 km/h, then he covers a ten times greater distance by train at 120 km/h and finally makes a 5 km bus ride at 60 km/h. How long does it take him to travel to work altogether?

- A) The given data are insufficient for an answer
- B) 30 minutes
- C) 20 minutes
- D) 15 minutes
- E) 10 minutes

1335 Calculate 2 numbers, x and y, whose sum is 200 and whose ratio is equal to $\frac{3}{5}$.

- A) 160 and 40
- B) 75 and 125
- C) 50 and 150
- D) 25 and 175
- E) 130 and 70

1336 Mr. Rossi, who lives in Milan, plans to go to Rome by bicycle. If he decides to keep a speed of 20 km/h along the entire route and never to stop, how long will it take him to get to Rome, which is 570 km away from Milan?

- A) 1 day, 7 hours and 30 minutes
- B) 1 day, 4 hours and 5 minutes
- C) 1 day, 4 hours and 30 minutes
- D) 2 days, 3 hours and 30 minutes
- E) 2 days, 4 hours and 5 minutes

1337 If a factory produces 372 porcelain cups in 45 minutes, how many cups do they produce in one hour and a half?

- A) 651 cups
- B) 1,116 cups
- C) 124 cups
- D) 248 cups
- E) 744 cups

1338 Two pizza makers can make 60 pizzas in 2 hours. Assuming they work at the same speed, how many pizzas is one single pizza maker able to prepare in 5 hours?

- A) 150
- B) 95
- C) 125
- D) 75
- E) 50

1339 6 textile-workers make 120 pairs of gloves in 20 days. How many days will 3 workers take to make 30 pairs of gloves of the same kind?

- A) 10
 - B) 20
 - C) 18
 - D) 12
 - E) 30
-

1340 A factory with 1,200 workers produces 360,000 pieces in three years. How many pieces would the factory produce in one year if there were 500 workers?

- A) 72,000
 - B) 86,400
 - C) 64,000
 - D) 150,000
 - E) 50,000
-

1341 The FastNavy company produced 30 ships in Year 1. Knowing that in Year 2 they produced 42 ships, what was the percentage increase from the first to the second year?

- A) 30%
 - B) 40%
 - C) 12%
 - D) 33.33%
 - E) 27.27%
-

1342 In the surgical ward of a hospital are 40 people, 32 of whom have already undergone surgery. What is the percentage of people that are still waiting to have surgery?

- A) 65%
 - B) 20%
 - C) 25%
 - D) 33%
 - E) 80%
-

1343 A capital of 240,000 euro has an annual return of 4%. How much does it yield after 5 months?

- A) 800 euros
 - B) 9,600 euros
 - C) 4,800 euros
 - D) 4,000 euros
 - E) 3,000 euros
-

1344 Sarah buys one CD at a 20% discount and spends 15 euro. How much would she have spent, had she bought the CD at no discount?

- A) 30 euros
 - B) 18.75 euro
 - C) 20 euros
 - D) 17 euros
 - E) 11.25 euros
-

-
- 1345 James tells Philip: "If you give me 2 euros, we'll have the same sum of money in our pockets!". Philip answers: "If you give me 2 euros, I'll have double your money in my pockets!". How much money do they have in the beginning respectively?**
- A) 6 and 10 euros
 - B) 4 and 6 euros
 - C) 10 and 14 euros
 - D) 14 and 10 euros
 - E) 10 and 6 euros
-
- 1346 Three sailors peel a sack of potatoes in 3, 4 and 6 hours. How many hours will they take to peel, working together, 33 sacks of potatoes?**
- A) It cannot be determined with the given data
 - B) 12
 - C) 88
 - D) 13
 - E) 44
-
- 1347 Three sailors peel a sack of potatoes in 3, 4 and 6 hours. How many hours will they take to peel, working together, 36 sacks of potatoes?**
- A) 13
 - B) 12
 - C) 96
 - D) 48
 - E) It cannot be determined with the given data
-
- 1348 A fun park charges a 30 euro entry ticket to visit all attractions once; in case of repeated visits to the same attraction, people pay an extra charge, the same for all park attractions. Knowing that Mark paid in total 42 euro and made 4 repeated visits, how much will Luke pay in total if he wants to visit the roller coaster five times?**
- A) 60 euros
 - B) 18 euros
 - C) 48 euros
 - D) 50 euros
 - E) 45 euros
-
- 1349 The schoolwork assigned to 20 students is difficult: 12 students fail to give any answer. The first half of the exercises are solved correctly by 6 students. How many students complete the test successfully?**
- A) 8 out of 20
 - B) Not more than 6
 - C) None of the other options is correct
 - D) 2 out of 20
 - E) Not more than 8
-
- 1350 What is the probability of drawing a three or a sword card from a deck of 40 playing cards?**
- A) 14/40
 - B) 13/40
 - C) 7/20
 - D) 1/4
 - E) 3/10
-

- 1351** At a time of economic growth the Beta company profit (X) increases by 20%. Once the period of euphoria is over, the Beta company records a 20% drop in profit. We can conclude that the final profit is:
- A) greater than X
 - B) equal to X
 - C) in any case equal to zero
 - D) less than X
 - E) 20% greater in any case
-
- 1352** Two cyclists race one against the other on a 500 m circular track, leaving together from the starting line and each one doing 10 laps. Knowing that the first cyclist travels at a speed of 55 km/h and the second travels at a speed of 20 km/h, when will the first cyclist overtake the second by four laps?
- A) During his seventh lap
 - B) During his fifth lap
 - C) During his sixth lap
 - D) During his eighth lap
 - E) During his fourth lap
-
- 1353** What is the probability of drawing a cup card or a coin card from a deck of 40 playing cards?
- A) $\frac{3}{10}$
 - B) $\frac{1}{2}$
 - C) $\frac{7}{20}$
 - D) $\frac{1}{4}$
 - E) $\frac{14}{40}$
-
- 1354** Two cyclists race one against the other on a 500 m circular track, leaving together from the starting line and each one doing 10 laps. Knowing that the first cyclist travels at a speed of 35 km/h and the second travels at a speed of 20 km/h, when will the first cyclist overtake the second for the fourth time?
- A) During his tenth lap
 - B) During his eighth lap
 - C) During his fifth lap
 - D) During his ninth lap
 - E) During his fourth lap
-
- 1355** A beauty product company increased its turnout by 6% from Year 1 to Year 2. Knowing that a further 10% increase was reported from Year 2 to Year 3, what was the percentage increase from Year 1 to year 3?
- A) 18%
 - B) 16%
 - C) 15.5%
 - D) It cannot be determined without knowing Year 1 turnout
 - E) 16.6%
-
- 1356** If five bricklayers build a 5-metre long boundary wall in a quarter of an hour, how many bricklayers would in theory be needed to build in 9,000 seconds a wall of the same height and width, but 50 metre long?
- A) 7
 - B) 12
 - C) 15
 - D) 10
 - E) 5

- 1357** $\frac{1}{4}$ of all students who took the State Examination a few years ago got marks higher than 80/100. Of these, $\frac{2}{5}$ (30,000 students) got marks higher than 90/100. How many students got marks lower than or equal to 80/100?
- A) 300,000
 - B) 75,000
 - C) 125,000
 - D) 56,000
 - E) 225,000
- 1358** With the sale of 20 wine cases, each one containing 6 bottles, a merchant makes a profit of 180 euro, equal to 15% of the buying price. How much had he paid for each individual bottle?
- A) 8 euros
 - B) 11.5 euros
 - C) 5 euros
 - D) 10 euros
 - E) 15 euros
- 1359** James tells Philip: "If you give me 3 euros, we'll have the same sum of money in our pockets!". Philip answers: "If you give me 3 euros, I'll have double your money in my pockets!". How much money do they have in the beginning respectively?
- A) 10 and 14 euros
 - B) 9 and 15 euros
 - C) 3 and 6 euros
 - D) 15 and 21 euros
 - E) 6 and 3 euros
- 1360** In a jar there are 60 candies in three different colours: red, yellow and blue. What is the minimum number of candies that must be taken out of the jar to be sure of having three of the same colour?
- A) 6
 - B) 5
 - C) 9
 - D) 12
 - E) 7
- 1361** A bacterium falls into a tub. Every day it replicates itself, and in 100 days the whole surface of the tub is covered with bacteria. How many days did it take for half the tub to be covered with bacteria?
- A) 99
 - B) 25
 - C) 60
 - D) 81
 - E) 50
- 1362** Looking at the hands of his clock, Ernest realises that it has accumulated exactly one hour delay in exactly three days. At what time, starting from that moment, will the clock mark the right time again, if it keeps running at the same speed?
- A) 33 days
 - B) 48 days
 - C) 72 days
 - D) 36 days
 - E) 66 days

-
- 1363** Two work colleagues want to buy a boat and they decide to share the investment equally. They find out that if another colleague did join in the purchase, with the cost being shared equally, the amount to be paid by each one of them would get down by 35,000 euro. What is the total cost of the boat?
- A) 600,000 euros
 - B) 210,000 euros
 - C) 315,000 euros
 - D) 240,000 euros
 - E) 150,000 euros
-
- 1364** Albert bought a car worth 15,000 €. During the first year the car is devalued by 20% and in each following year it is devalued by 10% of its residual value. How much is the car worth at the end of the third year?
- A) € 9,000
 - B) € 9,720
 - C) € 9,600
 - D) € 11,000
 - E) € 9,400
-
- 1365** In a primary school with 250 pupils there are two afterschool courses. We know that 200 pupils attend the Spanish course, 199 attend the swimming course, and 12 do not attend any course. How many pupils attend both courses?
- A) It cannot be determined with the given data
 - B) 238
 - C) 38
 - D) 39
 - E) 161
-
- 1366** If $B = 17$, $C = 16$, ... $T = 2$, how much is M worth?
- A) 11
 - B) 9
 - C) 8
 - D) 12
 - E) 10
-
- 1367** If $B = 15$, $C = 14$, ... $T = 0$, how much is R worth?
- A) 3
 - B) 4
 - C) 1
 - D) 2
 - E) 0
-
- 1368** If $B = 16$, $C = 15$, ... $Q = 1$, how much is K worth, considering the english alphabet?
- A) 9
 - B) 12
 - C) 7
 - D) 11
 - E) 10
-

- 1369** In a primary school attended by 250 children there are two afterschool courses. 200 children attend the Spanish course, 199 the swimming course and 47 children do not attend either course. How many children attend both courses?
- A) 3
B) 196
C) It cannot be determined because the given data are insufficient
D) 4
E) 203
-
- 1370** Tram number 2 and tram number 11 come to the same stop every five minutes, at set times and right on time. A student who can catch either tram arrives at the stop every day between 8.00 a.m. and 8.05 a.m. and has a 40% chance of catching tram number 2 at 8.03 a.m. At what time does tram number 11 come by?
- A) 8:01 a.m.
B) 8:04 a.m.
C) It cannot be determined
D) 8:00 a.m. and 8:05 a.m.
E) 8:02 a.m.
-
- 1371** If carpet = 12; sofa = 8; lamp = 8; armchair = ?
- A) 14
B) 16
C) 12
D) 10
E) 18
-
- 1372** Arthur is planning to plant some trees around his country house. If he leaves 8 metres between a tree and the next one, he needs 26 trees. How many trees would he need if the distance between two successive trees rose halved?
- A) 48
B) 40
C) 51
D) 50
E) 52
-
- 1373** A footballer scored 35% head goals, 45% right foot goals and 20% left foot goals. If the left foot goals are 12, how many are the right foot goals?
- A) 24
B) 27
C) 35
D) 20
E) 45
-
- 1374** In a two-digit number, the units digit is three times the tens digit: by changing the digit order we get a second number that exceeds the first one by 36. What is the first number?
- A) 31
B) 13
C) 39
D) 93
E) 26

- 1375** If:
 $\# + \# = \text{ç} - \$$
 $\# = -4$
 $\$ = 6$
then ç equals:
A) 2
B) -4
C) 6
D) -2
E) 4
- 1376** In the Beta village the 22 high-school students own at least one means of transport (bicycle, scooter or skates). Of these 22 teenagers, 8 own a bicycle, 12 a scooter and 9 a pair of skates. Knowing that 3 of them have both a bicycle and a scooter and that nobody has both skates and scooter, how many teenagers have both a bicycle and a pair of skates?
A) 0
B) 3
C) 1
D) 8
E) 6
- 1377** Five trains: A, B, C, D and E leave from the same station to reach five different cities. We know that: I) C is faster than B but arrives after the latter, which is instead the first to arrive; II) A is the last to arrive even if it is faster than D and slower than B; III) E, the second train to reach its destination, is faster than D, but slower than A. Based on the above information, we can say that the slowest train is:
A) D
B) C
C) it cannot be determined
D) A
E) B
- 1378** A cyclist covered a 10 km circular track three times. Every time he improved his time by 10%. Knowing that during his first lap he travelled at a speed of 60 km/h, what was his average speed during his last lap?
A) Approximately 70 km/h
B) Approximately 73 km/h
C) Approximately 80 km/h
D) Approximately 65 km/h
E) Approximately 82 km/h
- 1379** A pastry cook has got a specific number of strawberries. If he uses 12 for each cake, he is left with one strawberry, but if he uses just 8 for each cake, he can decorate six more cakes, with one strawberry left also in this case. How many cakes will he be able to decorate if he uses 5 strawberries for each cake?
A) 30
B) 27
C) 28
D) 29
E) 26

1380 If:

$$@ + \# - @ = @ - 4$$

$$\# = -20$$

then @ equals:

A) -16

B) 10

C) -12

D) 16

E) -5

1381 If:

$$@ + \# + \$ = \textcircled{c} + \$$$

$$\$ = -5$$

$$\# = 6$$

$$\textcircled{c} = 4$$

$$@ = -2$$

then \$ equals:

A) -7

B) 13

C) -5

D) 3

E) 1

1382 If:

$$\$ + \$ = \diamond - @$$

$$\diamond = 3$$

$$\$ = 1$$

then @ equals:

A) -2

B) 3

C) 1

D) -1

E) 2

1383 If:

$$\$ + \$ = \textcircled{c} - \Delta$$

$$\$ = 3$$

$$\Delta = 1$$

then © equals:

A) 5

B) -6

C) 6

D) 4

E) 7

1384 If:

$$\S + \S + @ = \Delta + @$$

$$\S = 3$$

then Δ equals:

- A) -3
 - B) 9
 - C) 3
 - D) 5
 - E) 6
-

1385 Three sailors peel a sack of potatoes in 4, 6 and 12 hours. How many hours will they take to peel, working together, 51 sacks of potatoes?

- A) 12
 - B) 22
 - C) 102
 - D) 204
 - E) The given data are insufficient for an answer
-

1386 Three sailors peel a sack of potatoes in 6, 8 and 12 hours. How many hours will they take to peel, working together, 87 sacks of potatoes?

- A) The given data are insufficient for an answer
 - B) 24
 - C) 26
 - D) 232
 - E) 464
-

1387 If:

$$\pounds + \pounds = | - \&$$

$$\pounds = \S + @$$

$$\& = |$$

$$\S = -10$$

then @ equals:

- A) -20
 - B) -10
 - C) 20
 - D) 2
 - E) 10
-

1388 If:

$$4 \cdot \# + 1 = 7 \cdot (\# - 2)$$

then # equals:

- A) 9
 - B) 1/2
 - C) 13
 - D) 0
 - E) 5
-

- 1389 If:
 $\pounds + \& + 3 = 2 \cdot \pounds - 3$
 $\& = 3$
then \pounds equals:
A) 9
B) -3
C) 6
D) 3
E) 5

- 1390 If:
 $\S + \S + @ = \Delta - @$
 $\Delta = 6$
 $\S = 1$
then $@$ equals:
A) 3
B) 6
C) 1
D) 5
E) 2

- 1391 In a Swiss village there are 33 families. Each family owns at least one car, but none of them owns more than 3 cars. Knowing that the number of families who own one car is the same as the number of families who own three, how many cars are there in the village?
A) 66
B) 64
C) 45
D) 33
E) 56

- 1392 If:
 $\S + \S = \Delta - @$
 $\S = @ + @$
 $5@ = \Delta$
 $@ = -4$
then \S equals:
A) 0
B) 4
C) 8
D) -4
E) -8

- 1393 If:
 $@ - 8 = \diamond + \diamond + \spadesuit$
 $\diamond = @ - \spadesuit$
 $\spadesuit = 6$
then $@$ equals:
A) 7
B) 8
C) -2
D) 10
E) 2

1394 Mr. Brown and his wife have got 6 daughters. Each daughter has got a brother. How many people are there in the Brown family?

- A) 17
- B) 14
- C) 9
- D) 13
- E) 15

1395 If:

$$5 \cdot @ / \$ + 2 \cdot \pounds = 13$$

$$\$ = -\pounds$$

$$@ = \$$$

then \pounds equals:

- A) 8
- B) 12/7
- C) 13/5
- D) 6
- E) 4

1396 If:

$$@ = 0$$

$$\S \times (-1) = \pounds - 3 + 5$$

$$\S = 9$$

then \pounds equals:

- A) 0
- B) 7
- C) 9
- D) 13
- E) -11

1397 If:

$$\pounds = \S \times (3 - 7)$$

$$\pounds = 5$$

then \S equals:

- A) -5/4
- B) 5
- C) 4
- D) -4/5
- E) 3

1398 If:

$$\$ + 6 = @ \cdot 4$$

$$\$ = 4$$

then $@$ equals:

- A) 6
- B) 2.5
- C) 4
- D) 2
- E) 2/5

1399 A bottle weighs 1,500 grams when it is full of water. If it is half-filled, it weighs 900 grams. How much does the bottle weigh?

- A) 200 grams
 - B) 400 grams
 - C) 500 grams
 - D) 300 grams
 - E) 250 grams
-

1400 A bottle weighs 1,950 grams when it is full of water. If it is half-filled, it weighs 1,050 grams. How much does the bottle weigh?

- A) 50 grams
 - B) 75 grams
 - C) 300 grams
 - D) 150 grams
 - E) 250 grams
-

1401 A bottle weighs 2,050 grams when it is full of water. If it is half-filled, it weighs 1,100 grams. How much does the bottle weigh?

- A) 250 grams
 - B) 75 grams
 - C) 300 grams
 - D) 50 grams
 - E) 150 grams
-

1402 A farm worker picks 20 kg of tomatoes in 30 minutes. How many farm workers will it take to pick 120 kg of tomatoes in one hour?

- A) 6
 - B) 4
 - C) 20
 - D) 3
 - E) 2
-

1403 Three clerks count the felt-tip pens contained in a box in 6, 8 and 12 hours respectively. How long will it take them to count the felt-tip pens contained in 90 boxes if they work together?

- A) The given data are insufficient for an answer
 - B) 24
 - C) 26
 - D) 480
 - E) 240
-

1404 A hydraulic pump supplies 30 litres/second. How long will it take to fill a 10 x 10 m tank that is 1 m deep?

- A) About 15 minutes
 - B) About one day
 - C) About 5 minutes
 - D) About one hour
 - E) About one week
-

1405 The salary of a clerk grows by 6%, raising 1,431 euros. What was his salary before the increase?

- A) 858.6 euros
 - B) 1,350 euros
 - C) 1,425 euros
 - D) 1,345.14 euros
 - E) 1,250 euros
-

1406 It takes Laura half the time it takes Sarah to make a dress. Working together they can make three dresses a day. How many dresses can Sarah make in five days?

- A) The given data are insufficient for an answer
 - B) 5
 - C) 12
 - D) 3
 - E) 10
-

1407 If you throw three dice, what is the probability of obtaining two 5 and a number different from 5?

- A) 216/15
 - B) 15/36
 - C) 15/216
 - D) 5/36
 - E) 6/25
-

1408 A gym sold 400 memberships in November and 480 in December. What was the percentage increase?

- A) 30%
 - B) 8,8%
 - C) 25%
 - D) 20%
 - E) 40%
-

1409 Dr. Charlotte's library contains 160 books divided as follows: Biology, 20%; Medicine, 30%; Literature, 35%; Chemistry, 5%; History, 10%. The books of which subjects add up to 72?

- A) The Medicine and History books
 - B) The Medicine and Biology books
 - C) The Medicine and Chemistry books
 - D) The Chemistry and History books
 - E) The Literature and History books
-

1410 Three sailors peel a sack of potatoes in 3, 4 and 6 hours. How many hours will they take to peel, working together, 69 sacks of potatoes?

- A) 12
 - B) 13
 - C) 92
 - D) 184
 - E) The given data are insufficient for an answer
-

-
- 1411** 32 seamstresses can stick labels to 256 articles of clothing in 20 minutes. If they keep on working at the same rhythm, how many hours will it take to 4 seamstresses to stick 128 labels?
- A) 1 hour and a half
 - B) 1 hour and 20 minutes
 - C) 1 hour and 10 minutes
 - D) 5 hours and 20 minutes
 - E) 1 ora e 40 minuti
-
- 1412** Around the park of a villa some statues need to be arranged at 11 metres of distance from one another. How many more statues need to be arranged around a square park whose surface is four times bigger than another square park whose perimeter is 220 metres long?
- A) 50
 - B) 40
 - C) 60
 - D) 20
 - E) 30
-
- 1413** A firm is producing an item sustaining a total fixed cost of 1,000 euros and a variable cost of 1 euro. If the selling price is 2 euros per piece, what is the minimum amount of pieces to be sold in order to avoid a loss?
- A) 1,000
 - B) 500
 - C) 100
 - D) 2,000
 - E) 3,000
-
- 1414** In a primary school attended by 229 children there are two after-school courses. 180 children attend the Spanish course, 160 the swimming course and 18 children do not attend either course. How many children attend both courses?
- A) 129
 - B) 211
 - C) 51
 - D) The given data are insufficient for an answer
 - E) 31
-
- 1415** The students of a high school class were tested in Maths. Their average mark was 5.5 in a range that goes from 1 to 10. Knowing that the average mark among boys was 6.5 and that there are 10 boys and 20 girls in the class, what was the average mark among girls?
- A) 5.5
 - B) 4
 - C) The given data are insufficient for an answer
 - D) 5
 - E) 4.5
-
- 1416** Three sailors peel a sack of potatoes respectively in 6, 8 and 12 hours. How many hours will they take to peel, working together, 84 sacks of potatoes?
- A) The given data are insufficient for an answer
 - B) 24
 - C) 224
 - D) 448
 - E) 26
-

-
- 1417** If:
 $2\odot - \odot = 8\Delta + \odot$
then Δ equals:
A) $1/2$
B) 1
C) 0
D) the given data are insufficient for an answer
E) $1/4$
-
- 1418** Little Annalisa is playing with 1024 tesserae made of coloured wood, all in the shape of an equilateral triangle and all the same size. By placing her tesserae side by side, she makes a large equilateral triangle. Considering the side of each tessera as the unit of measurement "u", how much is the perimeter of the triangle she makes?
A) 32 u
B) 99 u
C) 96 u
D) 64 u
E) 128 u
-
- 1419** In a primary school attended by 250 children there are two after-school courses. 200 children attend the Spanish course, 199 the swimming course and 23 children do not attend either course. How many children attend both courses?
A) 27
B) The given data are insufficient for an answer
C) 172
D) 28
E) 227
-
- 1420** How many three-digit numbers can you make with 1, 3, 4, 5, 6, 7?
A) 720
B) 120
C) 280
D) 216
E) 432
-
- 1421** A painter, working 4 hours a day, paints a house in 18 days. How much time would he need to paint the same house, if he worked 6 hours a day?
A) 16 days
B) 14 days
C) 10 days
D) 18 days
E) 12 days
-
- 1422** Three sailors peel a sack of potatoes respectively in 3, 4 and 6 hours. How many hours will they take to peel, working together, 78 sacks of potatoes?
A) 13
B) 208
C) 12
D) 104
E) 58
-

1423 Mark starts reading three books at once. He first reads 12 pages a day of book 1 – which has 144 pages –, 8 pages of book 2 and 9 pages of book 3. When he gets halfway through book 1, he changes his reading rhythm and reads 8 pages a day of book 1, 9 of book 2 and 12 of book 3. Knowing that he finishes the three books on the same day, how many pages has he read in the end?

- A) 450
- B) 430
- C) 432
- D) 435
- E) 445

1424 How many three-digit numbers can you make with 2, 4, 5, 6, 7, 8, providing the same digit can appear more than once?

- A) 280
- B) 720
- C) 120
- D) 216
- E) 432

1425 If:

$$\# + 8 = -\# + @ + \Delta$$

$$\Delta = 2$$

$$@ = 4$$

then # equals:

- A) -2
- B) -1
- C) 3
- D) 1
- E) 2

1426 If:

$$\heartsuit + 4 = -KY + KY + JW$$

$$JW = 2 + 2 \times \heartsuit$$

then ♥ equals:

- A) 4
- B) -2
- C) -4
- D) 2
- E) 1

1427 James tells Philip: “If you give me 6 euros, we’ll have the same sum of money in our pockets!”. Philip answers: “If you give me 6 euros, I’ll have double your money in my pockets!”. How much money do they have in the beginning, respectively?

- A) 24 and 36 euro
- B) 22 and 30 euro
- C) 30 and 42 euro
- D) 36 and 30 euro
- E) 42 and 30 euro

1428 When Mr Banks was 49, his son Ryan was 16. How old is Ryan now, knowing that his age is now half his father's age?

- A) 32
- B) 31
- C) 33
- D) 34
- E) 35

1429 Two friends, moving towards each other, leave from two different places that are 60 km away from each other. The first friend travels at a constant speed of 70 km/h, while the other at 50 km/h. Where are they going to meet?

- A) 50 km away from the starting point of the first friend
- B) 35 km away from the starting point of the first friend
- C) 24 km away from the starting point of the second friend
- D) Halfway through their route
- E) 50 km away from the starting point of the second friend

1430 Little Amelia is playing with 272 painted wooden tesserae of the same size. Placing her tesserae side by side, Amelia makes the largest square possible. What is the ratio between the side of the square and the side of each tessera?

- A) 32 : 1
- B) 17 : 1
- C) 34 : 1
- D) 16 : 1
- E) 15 : 1

1431 If:

$$\text{\$} + \text{@} + \text{\$} + \text{@} = \Delta - \text{\$}$$

$$\text{\$} = \Delta$$

$$\text{\$} = 4$$

then @ is equal to:

- A) 2
- B) 0
- C) 4
- D) -2
- E) -4

1432 With 12 litres of oil you can fill a certain number of bottles with a capacity of $\frac{3}{4}$ litres. How many litres of oil will you need to fill the same number of bottles with a capacity of 1,5 litres?

- A) 24
- B) 18
- C) 12
- D) 20
- E) 9

-
- 1433** In a Degree Program at an Italian university with 250 students there are two courses for the first year. We know that 200 students attend course A, 199 course B, and 44 neither course. How many students attend both courses?
- A) 206
 - B) The given data are insufficient for an answer
 - C) 6
 - D) 193
 - E) 7
-
- 1434** Three sailors peel a sack of potatoes in 3, 4 and 6 hours, respectively. How many hours will they take to peel, working together, 39 sacks of potatoes?
- A) The given data are insufficient for an answer
 - B) 52
 - C) 12
 - D) 104
 - E) 13
-
- 1435** An experiment is aimed at obtaining a mixture by combining 2 different liquids picked at random from 4 flacons labelled A, B, C, and D. The probability that the mixture does NOT contain liquid A is:
- A) $\frac{3}{4}$
 - B) $\frac{2}{3}$
 - C) $\frac{1}{2}$
 - D) $\frac{1}{3}$
 - E) $\frac{1}{4}$
-
- 1436** When Mr Banks was 45 years old, his son Ryan was 16. How old is Ryan now, knowing his age is half his father's?
- A) 27
 - B) 31
 - C) 28
 - D) 29
 - E) 30
-
- 1437** How many two-digit numbers can be obtained by combining 2, 3, 4, 5, and 6?
- A) 60
 - B) 88
 - C) 132
 - D) 25
 - E) 120
-
- 1438** If only 60% of high school students passed their final exam last year, and only 10% of them got a passing grade that was equal or greater than 90/100, what was the percentage of students who passed the exam with a lower grade than 90/100?
- A) 18%
 - B) 46%
 - C) 54%
 - D) 68%
 - E) 20%
-

-
- 1439** Little Claude is playing with 329 small cubes made of coloured wood, all the same size. How many small cubes will Claude need to make the largest cube possible?
- A) 208
 - B) 113
 - C) 164
 - D) 224
 - E) 216
-
- 1440** A primary school attended by 250 children offers two after-school courses. 200 children attend the Spanish course, 199 the swimming course and 41 children neither course. How many children attend both courses?
- A) 209
 - B) It cannot be determined with the given data
 - C) 10
 - D) 9
 - E) 190
-
- 1441** How many two-digits numbers can be obtained by combining 1, 2, 3, 5, 6?
- A) 120
 - B) 74
 - C) 125
 - D) 60
 - E) 25
-
- 1442** On the first floor of a house the temperature is 20 °C, while on the second it drops to 16 °C. Therefore, we can say that from the first to the second floor the temperature decreases by:
- A) 33%
 - B) 25%
 - C) 4%
 - D) 16%
 - E) 20%
-
- 1443** Laurie and Betty are the same age. Marina is four years older than Betty. In fifteen years Betty's age will be 11/12 of Marina's age. How old is Laurie?
- A) 29
 - B) 50
 - C) 15
 - D) 44
 - E) 35
-
- 1444** Little Aline is playing with 900 tesserae made of coloured wood, all in the shape of an equilateral triangle and all the same size. By placing her tesserae side by side, she makes a large equilateral triangle. Considering the side of each tessera as the unit of measurement "u", how much is the perimeter of the triangle she makes?
- A) 30 u
 - B) 60 u
 - C) 120 u
 - D) 93 u
 - E) 90 u
-

1445 If a train travelling at constant speed along a straight trajectory covers 300 km in 2 hours, how many kilometers will it cover in 3 hours and 20 minutes, in the same conditions?

- A) 500
 - B) 600
 - C) 550
 - D) 900
 - E) 450
-

1446 A snail wants to climb a 9 m high wall. During the day it goes up 3 metres, but at night the gastropod falls into deep sleep and slides back 2 metres. Every morning the snail starts climbing again from that point. On what day will the snail succeed in getting to the top of the wall?

- A) On the ninth day
 - B) On the tenth day
 - C) On the fourteenth day
 - D) On the sixth day
 - E) On the seventh day
-

1447 Correctly complete the following number sequence: 61; 41; 55; 45; 49; 49; 43; ?; ?

- A) 37; 53
 - B) 53; 37
 - C) 43; 47
 - D) 47; 43
 - E) 53; 47
-

1448 Correctly complete the following number sequence: 13; 35; 17; 29; 21; 23; ?; ?

- A) 15; 27
 - B) 25; 17
 - C) 17; 25
 - D) 27; 15
 - E) 25; 27
-

1449 Correctly complete the following number sequence: 47; 48; 52; 58; 59; 63; ?

- A) 70
 - B) 64
 - C) 67
 - D) 69
 - E) 68
-

1450 Correctly complete the following number sequence: 31; 34; 41; 50; 53; 60; ?

- A) 69
 - B) 63
 - C) 67
 - D) 79
 - E) 78
-

1451 Correctly complete the following number sequence: 49; 51; 57; 66; 68; 74; ?

- A) 76
 - B) 83
 - C) 80
 - D) 93
 - E) 92
-

1452 Correctly complete the following number sequence: 41; 50; 57; 68; 77; 84; ?

- A) 96
 - B) 92
 - C) 95
 - D) 90
 - E) 105
-

1453 Correctly complete the following number sequence: 51; 66; 78; 87; 102; 114; ?

- A) 133
 - B) 123
 - C) 129
 - D) 126
 - E) 122
-

1454 Correctly complete the following number sequence: 25; 33; 26; 35; 43; 36; ?

- A) 55
 - B) 44
 - C) 29
 - D) 46
 - E) 45
-

1455 Correctly complete the following number sequence: 106; 111; 100; 108; 113; 102; ?

- A) 91
 - B) 107
 - C) 110
 - D) 120
 - E) 118
-

1456 Correctly complete the following number sequence: 68; 82; 77; 100; 114; 109; ?

- A) 123
 - B) 104
 - C) 132
 - D) 131
 - E) 134
-

1457 Correctly complete the following number sequence: 167; 181; 173; 187; 201; 193; ?

- A) 186
 - B) 185
 - C) 207
 - D) 208
 - E) 206
-

1458 Correctly complete the following number sequence: 153; 168; 155; 170; 185; 172; ?

- A) 177
 - B) 159
 - C) 187
 - D) 186
 - E) 197
-

1459 Correctly complete the following number sequence: 101; 127; 90; 116; 142; 105; ?

- A) 68
 - B) 157
 - C) 121
 - D) 141
 - E) 131
-

1460 Correctly complete the following number sequence: 183; 206; 190; 213; 236; 220; ?

- A) 266
 - B) 204
 - C) 233
 - D) 253
 - E) 243
-

1461 Correctly complete the following number sequence: 139; 158; 124; 143; 162; 128; ?

- A) 137
 - B) 94
 - C) 146
 - D) 157
 - E) 147
-

1462 Correctly complete the following number sequence: 103; 125; 100; 122; 144; 119; ?

- A) 141
 - B) 94
 - C) 131
 - D) 151
 - E) 163
-

1463 Correctly complete the following number sequence: 28; 48; 17; 62; 82; 51; ?; ?

- A) 96; 116
 - B) 96; 65
 - C) 71; 40
 - D) 20; 65
 - E) 86; 106
-

1464 Correctly complete the following number sequence: 63; 92; 115; 134; 163; 186; ?; ?

- A) 215; 238
 - B) 205; 228
 - C) 205; 234
 - D) 215; 234
 - E) 215; 244
-

1465 Correctly complete the following number sequence: 111; 73; 112; 88; 50; 89; ?; ?

- A) 50; 26
 - B) 65; 26
 - C) 51; 27
 - D) 65; 27
 - E) 128; 104
-

1466 Correctly complete the following number sequence: 348; 306; 265; 249; 207; 166; ?; ?

- A) 124; 108
 - B) 150; 108
 - C) 150; 109
 - D) 125; 83
 - E) 152; 110
-

1467 Correctly complete the following number sequence: 250; 207; 178; 154; 111; 82; ?; ?

- A) 39; 15
 - B) 53; 29
 - C) 58; 29
 - D) 58; 15
 - E) 58; 25
-

1468 Correctly complete the following number sequence: 222; 208; 163; 146; 132; 87; ?; ?

- A) 73; 56
 - B) 70; 56
 - C) 42; 25
 - D) 70; 25
 - E) 73; 28
-

1469 Correctly complete the following number sequence: 102; 95; 69; 65; 58; 32; ?; ?

- A) 25; 21
 - B) 6; 2
 - C) 28; 2
 - D) 28; 21
 - E) 28; 11
-

1470 Correctly complete the following number sequence: 190; 178; 159; 115; 103; 84; ?; ?

- A) 40; 21
 - B) 65; 53
 - C) 65; 21
 - D) 72; 53
 - E) 40; 28
-

1471 Correctly complete the following number sequence: 148; 135; 98; 100; 87; 50; ?; ?

- A) 52; 15
 - B) 13; 15
 - C) 37; 0
 - D) 52; 39
 - E) 37; 39
-

1472 Correctly complete the following number sequence: 93; 75; 122; 132; 114; 161; ?; ?

- A) 171; 218
 - B) 171; 153
 - C) 143; 190
 - D) 208; 218
 - E) 208; 190
-

1473 Correctly complete the following number sequence: 107; 89; 117; 142; 124; 152; ?; ?

- A) 167; 149
 - B) 134; 159
 - C) 177; 159
 - D) 180; 205
 - E) 177; 205
-

1474 Correctly complete the following number sequence: 48; 22; 71; 82; 56; 105; ?; ?

- A) 116; 90
 - B) 116; 165
 - C) 79; 90
 - D) 126; 100
 - E) 79; 128
-

1475 Correctly complete the following number sequence: 72; 84; 76; 89; 101; 93; ?

- A) 107
 - B) 106
 - C) 85
 - D) 105
 - E) 104
-

1476 A processing rule turns the eight-element series (5, 8, 6, 7, 4, 2, 3, 9) into (8, 5, 6, 7, 4, 2, 3, 9) and the latter into (8, 6, 5, 7, 4, 2, 3, 9). Determine what series will follow according to the rule.

- A) (8, 6, 5, 7, 2, 4, 3, 9)
 - B) (8, 6, 5, 7, 4, 2, 3, 9)
 - C) (8, 6, 7, 5, 4, 2, 3, 9)
 - D) (8, 6, 5, 4, 7, 2, 3, 9)
 - E) (8, 6, 7, 5, 2, 4, 3, 9)
-

1477 A processing rule turns the eight-element series (6, 9, 7, 8, 5, 3, 4, 1) into (9, 6, 7, 8, 5, 3, 4, 1) and the latter into (9, 7, 6, 8, 5, 3, 4, 1). Determine what series will follow according to the rule.

- A) (9, 7, 6, 8, 5, 3, 4, 1)
 - B) (9, 7, 8, 6, 3, 5, 4, 1)
 - C) (9, 7, 6, 8, 3, 5, 4, 1)
 - D) (9, 7, 6, 5, 8, 3, 4, 1)
 - E) (9, 7, 8, 6, 5, 3, 4, 1)
-

1478 Correctly complete the following number sequence: 16; 51; 77; 70; 105; 131; ?; ?

- A) 157; 150
 - B) 124; 159
 - C) 124; 150
 - D) 166; 159
 - E) 114; 149
-

1479 If:
 $\S + \P - \S = \S + 2$
 $\P = -8$

Then \S equals:

- A) 8
- B) 10
- C) -10
- D) -8
- E) 20

1480 A processing rule turns the eight-element series (8, 2, 9, 1, 7, 5, 6, 3) into (2, 8, 9, 1, 7, 5, 6, 3) and the latter into (2, 9, 8, 1, 7, 5, 6, 3). Determine what series will follow according to the rule.

- A) (2, 9, 8, 7, 1, 5, 6, 3)
- B) (2, 9, 8, 1, 5, 7, 6, 3)
- C) (2, 9, 1, 8, 5, 7, 6, 3)
- D) (2, 9, 8, 1, 7, 5, 6, 3)
- E) (2, 9, 1, 8, 7, 5, 6, 3)

1481 If:
 $2/3 \cdot @ = 5/12 \div \#$
 $\# = 1/3$

then @ is equal to:

- A) 15/8
- B) 7/2
- C) 16/3
- D) 1/4
- E) 2/9

1482 Correctly complete the following number sequence: ?; 15; 32; 27; 15; 32; ?

- A) 27; 15
- B) 32; 27
- C) 27; 27
- D) 15; 27
- E) 27; 32

1483 Correctly complete the following number series: 218; 371; 470; 551; ?

- A) 356
- B) 560
- C) 789
- D) 221
- E) 442

1484 A processing rule turns the eight-element series (9, 3, 1, 2, 8, 6, 7, 4) into (3, 9, 1, 2, 8, 6, 7, 4) and the latter into (3, 1, 9, 2, 8, 6, 7, 4). Determine what series will follow according to the rule.

- A) (3, 1, 9, 2, 8, 6, 7, 4)
- B) (3, 1, 9, 2, 6, 8, 7, 4)
- C) (3, 1, 2, 9, 8, 6, 7, 4)
- D) (3, 1, 2, 9, 6, 8, 7, 4)
- E) (3, 1, 9, 8, 2, 6, 7, 4)

1485 If:

$$\zeta + \xi - \zeta = \zeta + 6$$

$$\xi = 5$$

then ζ equals:

- A) 2
 - B) 0
 - C) -1
 - D) 11
 - E) 1
-

1486 Correctly complete the following number sequence: 5; 7; 8; 13; 11; 19; 14; ?; ?

- A) 25; 17
 - B) 22; 20
 - C) 17; 25
 - D) 20; 22
 - E) 24; 24
-

1487 Correctly complete the following number sequence: 8; 9; 11; 15; 14; 21; 17; ?; ?

- A) 25; 25
 - B) 24; 23
 - C) 20; 27
 - D) 27; 20
 - E) 23; 24
-

1488 Correctly complete the following number sequence: 3; 5; 6; 11; 9; 17; 12; ?; ?

- A) 15; 23
 - B) 23; 15
 - C) 20; 18
 - D) 18; 20
 - E) 22; 22
-

1489 Correctly complete the following number sequence: 8; 10; 11; 16; 14; 22; 17; ?; ?

- A) 20; 28
 - B) 25; 23
 - C) 28; 20
 - D) 23; 25
 - E) 27; 27
-

1490 Correctly complete the following number sequence: 5; 9; 8; 15; 11; 21; 14; ?; ?

- A) 24; 19
 - B) 27; 17
 - C) 17; 27
 - D) 22; 14
 - E) 26; 16
-

1491 Correctly complete the following number sequence: 5; 14; 8; 20; 11; 26; 14; ?; ?

- A) 20; 29
 - B) 29; 20
 - C) 17; 32
 - D) 38; 38
 - E) 32; 17
-

1492 Correctly complete the following number sequence: 6; 15; 9; 21; 12; 27; 15; ?; ?

- A) 33; 18
 - B) 30; 21
 - C) 18; 33
 - D) 21; 30
 - E) 39; 39
-

1493 Correctly complete the following number sequence: 8; 17; 11; 23; 14; 29; 17; ?; ?

- A) 35; 20
 - B) 32; 23
 - C) 20; 35
 - D) 23; 32
 - E) 41; 41
-

1494 Correctly complete the following number sequence: 9; 18; 12; 24; 15; 30; 18; ?; ?

- A) 21; 36
 - B) 33; 24
 - C) 42; 42
 - D) 24; 33
 - E) 36; 21
-

1495 Correctly complete the following number sequence: 10; 19; 13; 25; 16; 31; 19; ?; ?

- A) 34; 25
 - B) 25; 34
 - C) 22; 37
 - D) 37; 22
 - E) 43; 43
-

1496 Complete the following letter sequence using the English alphabet: H; J; I; K; J; L; ?

- A) P
 - B) K
 - C) O
 - D) Q
 - E) N
-

1497 Complete the following letter sequence using the English alphabet: F; O; H; N; J; M; L; ?

- A) P
 - B) O
 - C) N
 - D) M
 - E) L
-

1498 Complete the following letter sequence using the English alphabet: V; D; C; K; S; R; ?; ?

- A) A; G
 - B) B; V
 - C) R; A
 - D) Z; H
 - E) B; C
-

1499 Correctly complete the following number sequence: 94; 97; 108; ?; ?; 120; 118; 121

- A) 106; 109
- B) 109; 111
- C) 97; 107
- D) 102; 107
- E) 112; 99

1500 Complete the following sequence using the English alphabet: 2; E; 6; G; 3; I; 12; K; 6; M; ?

- A) 24
- B) 18
- C) 30
- D) 12
- E) 16

1501 Complete the following letter sequence using the English alphabet: O; N; L; I; ?

- A) C
- B) B
- C) E
- D) D
- E) H

1502 Correctly complete the following number sequence: 123; 141; 115; ?; ?; 124; 141; 159

- A) 135; 152
- B) 128; 148
- C) 141; 133
- D) 132; 150
- E) 132; 152

1503 Complete the following letter sequence using the English alphabet: A; M; S; Z; L; R; ?; ?

- A) U; G
- B) V; H
- C) M; T
- D) U; I
- E) Y; K

1504 Correctly complete the following number sequence: 25; 10; 2.5; -1.25; x

- A) $x = -3.25$
- B) $x = -2.5$
- C) $x = 0$
- D) $x = -3.50$
- E) $x = -3.125$

1505 11; 6; 12; 7; 14; 9; 17; x

Which of the following options correctly completes the given series?

- A) $x = 9.5$
- B) $x = 12$
- C) $x = 11$
- D) $x = 10$
- E) $x = 14$

1506 Correctly complete the following number sequence: 3; 5; 7; 11; 11; 17; ?; ?

- A) 23; 14
 - B) 14; 28
 - C) 15; 25
 - D) 17; 21
 - E) 15; 23
-

1507 Complete the following sequence using the English alphabet: R; 109; W; 96; B; 83; ?; ?

- A) Z; 88
 - B) H; 89
 - C) L; 74
 - D) G; 70
 - E) H; 70
-

1508 Complete the following sequence using the English alphabet: S; 40; U; 37; X; 35; Z; 32; ?; ?

- A) H; 41
 - B) U; 19
 - C) F; 26
 - D) C; 30
 - E) E; 30
-

1509 Complete the following sequence using the English alphabet: I; 9; M; 10; S; 19; W; 29; ?; ?

- A) L; 41
 - B) O; 38
 - C) C; 48
 - D) I; 31
 - E) H; 31
-

1510 Complete the following sequence using the English alphabet: R; 68; Y; 70; 78; F; 80; ?; ?

- A) 84; Z
 - B) 91; R
 - C) Z; 8
 - D) 88; M
 - E) 88; S
-

1511 Complete the following sequence using the English alphabet: L; 10; U; 11; D; 21; M; 32; ?; ?

- A) E; 53
 - B) V; 53
 - C) U; 44
 - D) V; 33
 - E) U; 41
-

1512 Complete the following sequence using the English alphabet: O; 53; L; 64; ?; ?; 57; 39; F

- A) 46; I
 - B) 49; A
 - C) F; 4
 - D) 42; A
 - E) 45; G
-

1513 Complete the following sequence using the English alphabet: M; 15; L; 16; K; 31; J; 47; ?; ?

- A) I; 85
- B) I; 78
- C) A; 90
- D) B; 90
- E) L; 87

1514 Complete the following letter sequence using the English alphabet: D; X; R; S; M; G; ?; ?

- A) T; B
- B) H; B
- C) H; V
- D) F; R
- E) F; V

1515 Complete the following letter sequence using the English alphabet: S; Z; P; Z; G; W; ?; ?

- A) U; S
- B) G; N
- C) N; T
- D) U; V
- E) O; N

1516 Correctly complete the following number sequence: 109; 135; 98; 124; 150; 113; ?

- A) 142
- B) 141
- C) 139
- D) 137
- E) 140

1517 Correctly complete the following number sequence: 27; 62; 88; 81; 116; 142; ?; ?

- A) 135; 170
- B) 140; 168
- C) 164; 135
- D) 129; 139
- E) 132; 169

1518 Complete the following letter sequence using the English alphabet: F; G; X; T; U; L; ?; ?

- A) C; E
- B) Y; Z
- C) H; I
- D) P; Q
- E) D; O

1519 Find the values of x and y in order to correctly complete the following sequence: R; 20; J; 21; B; 41; T; 62; x; y?

- A) x = C; y = 103
- B) x = H; y = 112
- C) x = D; y = 115
- D) x = L; y = 103
- E) x = L; y = 115

1520 Correctly complete the following number sequence: 104; 79; 46; ?; ?; 12; 36; 11

- A) 79; 71
 - B) 73; 47
 - C) 71; 44
 - D) 66; 43
 - E) 70; 45
-

1521 Correctly complete the following number sequence: 5; 14; 41; 122; ?

- A) 365
 - B) 244
 - C) 241
 - D) 362
 - E) 361
-

1522 Correctly complete the following number sequence: 1, 3, 4, 7, 11, ?, 29, 47, 76

- A) 18
 - B) 17
 - C) 19
 - D) 20
 - E) 21
-

1523 Correctly complete the following number sequence: ?; 14; 31; 26; 14; 31; ?

- A) 26; 14
 - B) 31; 26
 - C) 26; 26
 - D) 31; 31
 - E) 20; 30
-

1524 Correctly complete the following number sequence: 5, 14, 212, 1,400, ?

- A) 55,555
 - B) 12,100
 - C) 14,100
 - D) 21,110
 - E) 33,000
-

1525 Correctly complete the following number sequence: 7; 9; 10; 15; 13; 21; 16; ?; ?

- A) 27; 20
 - B) 28; 19
 - C) 19; 27
 - D) 19; 26
 - E) 27; 19
-

1526 Complete the following sequence using the English alphabet: G; 20; R; 26; P; 32; A; 38; ?; ?

- A) N; 44
 - B) O; 42
 - C) O; 44
 - D) T; 39
 - E) C; 41
-

1527 Complete the following sequence using the English alphabet: I; 9; P; 10; W; 19; D; 29; ?; ?

- A) K; 38
 - B) K; 39
 - C) K; 31
 - D) K; 48
 - E) S; 41
-

1528 Correctly complete the following number sequence: 85; 94; 81; 90; 99; 86; ?

- A) 96
 - B) 97
 - C) 93
 - D) 95
 - E) 98
-

1529 Correctly complete the following number sequence: 5; 8; ?; 10; 9; 12; 11; ?

- A) 13; 14
 - B) 11; 14
 - C) 7; 14
 - D) 14; 13
 - E) 14; 16
-

1530 Complete the following sequence using the English alphabet: C; 16; S; 22; Q; 28; G; 34; ?; ?

- A) P; 35
 - B) E; 37
 - C) E; 40
 - D) A; 40
 - E) D; 38
-

1531 Complete the following sequence using the English alphabet: D; 56; T; 41; 37; J; 22; ?; ?

- A) P; 1
 - B) 18; Z
 - C) 21; L
 - D) 14; V
 - E) 16; Z
-

1532 Correctly complete the following number sequence: 105; 130; 82; 89; 114; 66; ?; ?

- A) 18; 25
 - B) 73; 98
 - C) 92; 73
 - D) 67; 77
 - E) 78; 96
-

1533 Complete the following sequence using the English alphabet: A; 42; X; 35; S; 30; P; 23; K; ?

- A) H; 21
 - B) H; 18
 - C) G; 18
 - D) G; 21
 - E) U; 21
-

1534 Correctly complete the following number sequence: 13; 39; 27; 81; 69; 207; ?; ?

- A) 205; 585
- B) 195; 585
- C) 621; 609
- D) 194, 390
- E) 195, 575

1535 Complete the following sequence using the English alphabet: Q; 108; V; 95; A; 82; ?; ?

- A) F; 69
- B) F; 73
- C) H; 88
- D) V; 87
- E) L; 70

1536 Complete the following sequence using the English alphabet: Q; 67; X; 80; 82; E; 95; ?; ?

- A) L; 108
- B) 100; T
- C) 93; N
- D) S; 9
- E) 97; L

1537 Complete the following letter sequence using the English alphabet: H; D; A; W; T; ?

- A) P
- B) H
- C) E
- D) C
- E) T

1538 Correctly complete the following number sequence: 83; 90; 101; 115; 122; 133; ?

- A) 150
- B) 149
- C) 145
- D) 144
- E) 147

1539 Correctly complete the following number sequence: 36; 56; 84; ?; ?; 113; 94; 114

- A) 56; 66
- B) 104; 132
- C) 65; 85
- D) 61; 83
- E) 68; 87

1540 If B = 21, C = 20, ... Z = 2, considering the english alphabet, how much is R worth?

- A) 8
- B) 6
- C) 7
- D) 5
- E) 4

1541 Correctly complete the following number sequence: 9; 3; 11; 6; 13; 9; 15; 12; ?; ?

- A) 15; 17
- B) 17; 15
- C) 14; 18
- D) 18; 14
- E) 18; 15

1542 Correctly complete the following number sequence: 130; 167; 143; 180; 217; 193; ?

- A) 169
- B) 210
- C) 220
- D) 240
- E) 230

1543 If:

$$| + | + \odot = \# - \odot$$

$$\# = 14$$

$$| = 13$$

Then \odot equals:

- A) -20
- B) -5
- C) 6
- D) -6
- E) 5

1544 If:

$$WK + WK = JK - VJ$$

$$WK = BY + AX$$

$$VJ = JK$$

$$AX = 6$$

Then BY equals:

- A) 6
- B) 0
- C) -6
- D) 12
- E) -12

1545 Correctly complete the following number sequence: 13; 21; 14; 23; 31; 24; ?

- A) 43
- B) 32
- C) 17
- D) 34
- E) 33

1546 Correctly complete the following number sequence: 117; 154; 130; 167; 204; 180; ?

- A) 217
- B) 227
- C) 156
- D) 207
- E) 197

1547 If B = 25, C = 24, ... Z = 6, considering the english alphabet, how much is T worth?

- A) 5
- B) 6
- C) 12
- D) 4
- E) 10

1548 Given the number sequences 31, 34, 48 e 36, 40, 56, choose the right number to complete the following sequence using the same rule: 21, 46, ?

- A) 44
- B) 42
- C) 67
- D) 43
- E) 47

1549 If:

$$\diamond + XW = \diamond - 2 \times XW$$

$$XW = 10$$

Then \diamond equals:

- A) 20
- B) 12
- C) 10
- D) It's not possible to determine it with the given data
- E) 22

1550 If:

$$@ + \# = 2 + \$$$

$$\$ = 3 \times @$$

$$\$ = 3$$

Then # equals:

- A) 0
- B) 4
- C) 1
- D) 2
- E) 3

1551 Correctly complete the following sequence using the English alphabet: U, T, R, O, ?

- A) K
- B) L
- C) M
- D) N
- E) I

1552 Correctly complete the following number sequence: ?; 13; 30; 25; 13; 30; ?

- A) 30; 25
- B) 25; 25
- C) 25; 13
- D) 30; 30
- E) 30; 13

1553 Correctly complete the following number sequence: 3; 8; 9; 16; 27; 32; 81; ?

- A) 64
- B) 70
- C) 66
- D) 68
- E) 243

1554 If:
 $\& + \& + | = \S + |$
 $\& = -10$
Then \S equals:

- A) 20
- B) -20
- C) -17
- D) -23
- E) It's not possible to determine it with the given data

1555 In a group of 76 people there are 57 graduates. How many people in the group, in percent, are NOT graduate?

- A) 25%
- B) 75%
- C) 15%
- D) 50%
- E) 30%

1556 A jewelry store sold 400 rings in December and 580 in January. What was the percentage increase?

- A) 18%
- B) 50%
- C) 30%
- D) 45%
- E) 36%

1557 A bakery sold 500 kg of bread in March and 625 in April. What was the percentage increase?

- A) 11.25%
- B) 25%
- C) 20%
- D) 30%
- E) 18%

1558 A cinema sold 8,000 tickets in October and 9,600 in November. What was the percentage increase?

- A) 6%
- B) 25%
- C) 15%
- D) 20%
- E) 17.6%

-
- 1559** A car dealer sold 200 motorcycles in September and 240 in October. What was the percentage increase?
- A) 40%
 - B) 5%
 - C) 10%
 - D) 60%
 - E) 20%
-
- 1560** Mr. Brown's salary grew from 2,000 euros to 2,400 euros. What was the percentage increase?
- A) 60%
 - B) 40%
 - C) 20%
 - D) 10%
 - E) 30%
-
- 1561** A blindfolded person extracts one ball from a box containing 15 balls numbered from 1 to 15. Knowing that all balls have the same probabilities of being extracted, what is the probability of obtaining a number that can be divided by 2?
- A) $\frac{1}{4}$
 - B) $\frac{1}{3}$
 - C) $\frac{8}{15}$
 - D) $\frac{7}{15}$
 - E) $\frac{1}{15}$
-
- 1562** A cobbler mends 4 pairs of shoes a day. How many days does it take him to mend 100?
- A) 20
 - B) 50
 - C) 25
 - D) 37.5
 - E) 80
-
- 1563** If 27 children out of 100 can swim, how many children out of 300 can swim?
- A) The given data are insufficient for an answer
 - B) 219
 - C) 81
 - D) 71
 - E) 273
-
- 1564** A bus has travelled for $\frac{5}{9}$ of its route. If this corresponds to 1,500 metres, how many metres are left to reach the end of the route?
- A) 2,400
 - B) 2,700
 - C) 1,750
 - D) 1,200
 - E) 3,500
-

-
- 1565** A dressmaker's shop makes 300 dresses in 12 months. How many dresses do they make in 15 months?
- A) 240
 - B) 375
 - C) 750
 - D) 325
 - E) 425
-
- 1566** A restaurant makes 180 plates of pasta in 3 hours. How many plates of pasta do they make in 9 hours?
- A) 540
 - B) 60
 - C) 360
 - D) 490
 - E) 520
-
- 1567** Three painters, working at the same speed, paint a wall in 9 days. How long would it take each of them to do the work alone?
- A) 27 days
 - B) 3 days
 - C) 81 days
 - D) The given data are insufficient for an answer
 - E) 36 days
-
- 1568** Four mechanics, working together at the same speed, change the oil in 16 cars in one hour. How long would it take each of them to change the oil in 10 cars?
- A) One hour
 - B) Two hours and a half
 - C) One hour and a half
 - D) Two hours
 - E) Three hours
-
- 1569** Four painters, working together at the same speed, paint an apartment in 8 days. How long would it take each of them to do the work alone?
- A) The given data are insufficient for an answer
 - B) 16 days
 - C) 32 days
 - D) 24 days
 - E) 40 days
-
- 1570** A farm worker picks 30 kg of tomatoes in 30 minutes. How many farm workers will it take to pick 120 kg of tomatoes in one hour?
- A) 8
 - B) 3
 - C) 6
 - D) 4
 - E) 2
-

1571 Mr. Brown worked for $\frac{4}{7}$ of his life. If he worked for 36 years, how long DIDN'T he work?

- A) 63 years
 - B) 27 years
 - C) 29 years
 - D) 20.5 years
 - E) 25 years
-

1572 A deli sold 500 kg of cheese in April and 825 in May. What was the percentage increase?

- A) 32.5%
 - B) 65%
 - C) 45%
 - D) 50%
 - E) 70%
-

1573 A line segment 48 cm long is divided into two segments that stand in the 8 : 16 ratio. Find the measure of the shortest segment.

- A) 32 cm
 - B) 16 cm
 - C) 12 cm
 - D) 24 cm
 - E) 6 cm
-

1574 A box contains 5 red balls and 4 black balls. If you extract two balls at a time, what is the probability of obtaining two black balls?

- A) $\frac{4}{5}$
 - B) $\frac{1}{6}$
 - C) $\frac{4}{9}$
 - D) $\frac{16}{81}$
 - E) $\frac{2}{9}$
-

1575 If 6.5 metres of wool cost € 26, how much do 3.5 metres cost?

- A) 12
 - B) 14
 - C) 13.5
 - D) 15.5
 - E) 16
-

1576 A car was sold with a 1,500 € discount, which corresponded to 5% of the retail price. What was the retail price?

- A) 45,000 €
 - B) 75,000 €
 - C) 30,000 €
 - D) 50,000 €
 - E) 25,000 €
-

1577 450 is 75% of:

- A) 600
 - B) 645
 - C) 625
 - D) 655
 - E) 580
-

1578 Correctly complete the following number sequence: 66; 40; 82; 112; 86; 128; ?; ?

- A) 158; 132
- B) 102; 144
- C) 170; 200
- D) 158; 200
- E) 152; 162

1579 If:

$$\text{¢} = 6 + \text{Ø}$$

$$\text{£} = \text{Ø} - 2\text{¢} + 1$$

Then £ equals:

- A) 1
- B) 11
- C) Ø
- D) It's not possible to determine it with the given data
- E) ¢

1580 If:

$$\Delta + \Delta = \odot - \blacklozenge$$

$$\Delta = \blacklozenge + \odot$$

$$3\blacklozenge = -\odot$$

$$\blacklozenge = -1$$

Then Δ equals:

- A) -2
- B) -1
- C) 2
- D) 1
- E) 4

1581 If:

$$\partial + @ - \$ = 25$$

$$2\partial - \$ = 25$$

$$5@ = 25$$

then ∂ equals:

- A) 25
- B) 10
- C) 0
- D) 5
- E) 1

1582 The rules of a new game are the following: if a number is divisible by 2, it is worth 9 points; if it is divisible by 9, it is worth 5 points; if it is divisible by 7, it is worth 2 points. Based on these rules, how much is number 54 worth?

- A) 5 points
- B) 0 points
- C) 7 points
- D) 11 points
- E) 14 points

1583 Correctly complete the following number sequence: 16; 36; 76; 156; 316; 636; ?

- A) 1.274
- B) 1.275
- C) 1.278
- D) 1.276
- E) 1.280

1584 If:

$$\text{\$} + 10 + \text{\pounds} = \% + \& + \text{\pounds}$$

$$\text{\$} = \%$$

Then & equals:

- A) -20
- B) -10
- C) 20
- D) 5
- E) 10

1585 If:

$$\text{\pounds} + \# = - \text{\pounds} - \text{\pounds} + 5$$

$$\# = 12$$

$$\text{\pounds} = -11$$

Then £ equals:

- A) -3
- B) -2
- C) 2
- D) -1
- E) 3

1586 If:

$$\text{\pounds} + \& + 3 = 2 \cdot \text{\pounds} - 3$$

$$\& = 3$$

Then £ equals:

- A) 9
- B) -3
- C) 6
- D) -9
- E) 5

1587 If:

$$\text{VJ} + \text{VJ} = \text{AX} - \text{JK}$$

$$\text{VJ} = \text{BY} + \text{MK}$$

$$\text{JK} = \text{AX}$$

$$\text{BY} = 2$$

Then MK equals:

- A) -2
- B) 2
- C) 4
- D) 1
- E) -3

1588 If:

$$@ + @ = \diamond - \Delta$$

$$@ = \# + \text{ç}$$

$$\Delta = \diamond$$

$$\# = -4$$

Then ç equals:

- A) 8
 - B) -4
 - C) 4
 - D) 0
 - E) -8
-

1589 If:

$$\Delta - \text{¥} + 5 = \Omega - \Omega + \Delta$$

Then ¥ equals:

- A) 2
 - B) 5
 - C) 0
 - D) It's not possible to determine it with the given data
 - E) 10
-

1590 If:

$$2\text{®} - 3 = 7\text{®} - 18$$

Then ® equals:

- A) 15
 - B) -3
 - C) 1
 - D) 3
 - E) 7
-

1591 Correctly complete the following number sequence: 101; 76; 43; ?; ?; 9; 33; 8

- A) 10; 34
 - B) 70; 44
 - C) 76; 68
 - D) 67; 42
 - E) 63; 40
-

1592 Correctly complete the following number sequence: 144; 44; ?; ?; 36; 176; 18

- A) 68; 96
 - B) 88; 70
 - C) 72; 88
 - D) 72; 90
 - E) 88; 72
-

1593 If letter N identifies any numerical (single) digit, letter P identifies any (single) even digit and letter D any (single) odd digit, then the product between the numbers PP and PP will be:

- A) an odd 3-digit number
- B) a 5-digit number
- C) an even number
- D) an even 2-digit number
- E) divisible by 3

- 1594** If:
 $\$ \cdot \$ \cdot \$ = 8$
 $@ + \$ = 2$
 $@ \cdot \$ = \$$
Then $\$$ equals:
A) 0
B) -3
C) -1
D) 1
E) It's not possible to determine it with the given data

- 1595** 500 seats in a Parliament are divided among 8 political parties. There aren't two parties with the same number of seats and each one party has at least 20 seats. Which is the lowest number of seats that the fourth bigger party can have?
A) 25
B) 63
C) 23
D) 24
E) 62

- 1596** 500 seats in a Parliament are divided among 9 political parties. There aren't two parties with the same number of seats and each one party has at least 20 seats. Which is the lowest number of seats that the fourth bigger party can have?
A) 25
B) 56
C) 24
D) 26
E) 55

- 1597** 500 seats in a Parliament are divided among 7 political parties. There aren't two parties with the same number of seats and each one party has at least 20 seats. Which is the lowest number of seats that the fifth bigger party can have?
A) 23
B) 70
C) 21
D) 22
E) 71

- 1598** 500 seats in a Parliament are divided among 8 political parties. There aren't two parties with the same number of seats and each one party has at least 20 seats. Which is the lowest number of seats that the fifth bigger party can have?
A) 63
B) 23
C) 24
D) 22
E) 62

1599 500 seats in a Parliament are divided among 9 political parties. There aren't two parties with the same number of seats and each one party has at least 20 seats. Which is the lowest number of seats that the fifth bigger party can have?

- A) 24
 - B) 56
 - C) 23
 - D) 25
 - E) 55
-

1600 600 seats in a Parliament are divided among 7 political parties. There aren't two parties with the same number of seats and each one party has at least 20 seats. Which is the lowest number of seats that the fourth bigger party can have?

- A) 23
 - B) 86
 - C) 24
 - D) 22
 - E) 85
-

1601 600 seats in a Parliament are divided among 8 political parties. There aren't two parties with the same number of seats and each one party has at least 20 seats. Which is the lowest number of seats that the fourth bigger party can have?

- A) 24
 - B) 76
 - C) 25
 - D) 23
 - E) 75
-

1602 600 seats in a Parliament are divided among 9 political parties. There aren't two parties with the same number of seats and each one party has at least 20 seats. Which is the lowest number of seats that the fourth bigger party can have?

- A) 26
 - B) 67
 - C) 24
 - D) 25
 - E) 66
-

1603 600 seats in a Parliament are divided among 10 political parties. There aren't two parties with the same number of seats and each one party has at least 20 seats. Which is the lowest number of seats that the fourth bigger party can have?

- A) 61
 - B) 26
 - C) 62
 - D) 25
 - E) 27
-

1604 600 seats in a Parliament are divided among 7 political parties. There aren't two parties with the same number of seats and each one party has at least 20 seats. Which is the lowest number of seats that the fifth bigger party can have?

- A) 85
- B) 84
- C) 23
- D) 21
- E) 22

1605 600 seats in a Parliament are divided among 9 political parties. There aren't two parties with the same number of seats and each one party has at least 20 seats. Which is the lowest number of seats that the fifth bigger party can have?

- A) 25
- B) 67
- C) 23
- D) 24
- E) 66

1606 Correctly complete the following sequence using the English alphabet: C; 3; G; 4; M; 7; Q; 11; ?; ?

- A) W; 18
- B) G; 20
- C) D; 23
- D) X; 19
- E) A; 18

1607 If:

$$\S \times \S = @$$

$$4 = @$$

$$\S > 0$$

$$@ + \S = 18 - 2@ + \S$$

then \S is equal to:

- A) -4
- B) 4
- C) 0
- D) 24
- E) it's not possible to determine it with the given data

1608 If:

$$\# - \$ = 26$$

$$\# + \$ = 84$$

then $\#$ is equal to:

- A) 55
- B) 42
- C) 29
- D) 58
- E) 110

1609 If:

$$\text{\$} + \text{\pounds} = \text{\$} + 16$$

$$\text{\$} = \text{\pounds} + 2$$

$$\text{\pounds} = 0$$

then \$ is equal to:

A) -14

B) 16

C) -16

D) 18

E) 14

1610 If:

$$3 \cdot \text{\$} = 2 \cdot \diamond - \diamond \cdot 5$$

then \$ is equal to:

A) 3

B) -3

C) $-\diamond$

D) 0

E) it's not possible to determine it with the given data

1611 If:

$$\text{\$} + \text{\$} = @ - \#$$

$$@ = 5$$

$$\text{\$} = 1$$

then # is equal to:

A) 4

B) 2

C) 3

D) 5

E) 1

1612 Correctly complete the following number sequence: 17; 12; 15; 10; 13; 8; 11; 6; ?

A) 7

B) 8

C) 11

D) 9

E) 4

1613 If:

$$| - 6 + \text{\$} = \text{\textcircled{C}} - 10$$

$$6 = -12 : \text{\textcircled{C}}$$

then \$ is equal to:

A) it's not possible to determine it with the given data

B) 9

C) 6

D) 0

E) -10

1614 If:

$$\Delta + 3 + \# = \diamond - \#$$

$$\Delta = -6$$

$$\# = 3$$

then \diamond is equal to:

A) 3

B) -3

C) -2

D) 2

E) 6

1615 If:

$$\diamond = 9$$

$$@ = 5\diamond - 2@$$

then @ is equal to:

A) 3

B) 45

C) 15

D) 5

E) 9

1616 If:

$$\pounds + 5 = -\pounds + \$ + \c$$

$$\c = -4$$

$$\$ = 3$$

then \pounds is equal to:

A) 1

B) 3

C) 2

D) -1

E) -3

1617 If:

$$@ + @ = \$ - \c$$

$$\$ = -13$$

$$@ = -3$$

then \c is equal to:

A) 3

B) -7

C) 7

D) -3

E) 13

1618 If:

$$\S + 12 = \odot \cdot 4$$

$$\S = 8$$

then \odot is equal to:

A) 2

B) 4

C) 5

D) 6

E) 3

1619 If:

$$\pounds + 10 + \& = \pounds + | + \&$$

$$\pounds = \pounds$$

then | is equal to:

- A) 10
 - B) -10
 - C) 20
 - D) -20
 - E) it's not possible to determine it
-

1620 If:

$$\$ + \$ = \& - \pounds$$

$$\$ = | + \pounds$$

$$\pounds = \&$$

$$| = 12$$

then \& is equal to:

- A) 24
 - B) 12
 - C) -24
 - D) -12
 - E) 0
-

1621 If:

$$@ + \# = \$ - \#$$

$$\# = 2$$

$$\$ = 3$$

then @ is equal to:

- A) -2
 - B) 2
 - C) -1
 - D) 0
 - E) 1
-

1622 If:

$$@ \cdot \# = \P - 10$$

$$\P = \# \cdot \# \cdot 2$$

$$\# = 5$$

then @ is equal to:

- A) 6
 - B) -8
 - C) 8
 - D) 11
 - E) -3
-

1623 If:
 $\text{ç} + 6 + \text{£} = \$ - \text{£}$
 $\text{ç} = -9$
 $\text{£} = -4$
then \$ is equal to:

- A) -3
- B) 11
- C) -16
- D) -11
- E) 16

1624 If:
 $\text{§} + \text{§} = @ - \text{ç}$
 $\text{§} = -3$
 $@ = 9$
then ç is equal to:

- A) -5
- B) 15
- C) 5
- D) -15
- E) 3

1625 If:
 $\text{©} + 4 = \text{★} \cdot 2$
 $\text{©} = -6$
then ★ is equal to:

- A) 4
- B) 2
- C) 1
- D) -1
- E) 5

1626 If:
 $\text{&} + \text{&} = \$ - |$
 $\text{&} = @ + \Delta$
 $| = \$$
 $@ = 8$
then Δ is equal to:

- A) 8
- B) -8
- C) -16
- D) 16
- E) 0

1627 If:

$$\Delta + \Delta = \diamond - \#$$

$$\Delta = -6$$

$$\# = -2$$

then \diamond is equal to:

A) 42

B) 14

C) -28

D) -14

E) 10

1628 If:

$$\forall + 4 = @ + @ + \Delta$$

$$\forall = 4$$

$$\Delta = 4$$

then @ is equal to:

A) 7

B) 4

C) 6

D) 2

E) 3

1629 If:

$$@ + \S = 32$$

$$@ - \S = 2$$

then @ is equal to:

A) it's not possible to determine it with the given data

B) 16

C) 15

D) 18

E) 17

1630 If:

$$\diamond + \diamond = \# - \mathfrak{C}$$

$$\diamond = 6$$

$$\mathfrak{C} = -4$$

then # is equal to:

A) 8

B) 12

C) -8

D) 16

E) -24

1631 If:

$$\S + 2 + @ = \Delta + @$$

$$\S = 7$$

$$@ = -2$$

then Δ is equal to:

A) 6

B) -9

C) 9

D) -6

E) 5

1632 If:

$$\text{ç} + 10 = \text{£} \cdot 4$$

$$\text{ç} = 12$$

then £ is equal to:

- A) 6
 - B) 4
 - C) 2
 - D) 88
 - E) 11/2
-

1633 If C = 14, D = 13, ... S = 1, how much is N?

- A) 6
 - B) 4
 - C) 5
 - D) 8
 - E) 7
-

1634 If B = 15, C = 14, ... S = 1, how much is J?

- A) 9
 - B) 8
 - C) 6
 - D) 10
 - E) 11
-

1635 If D = 13, F = 12, ... T = 0, how much is K?

- A) 9
 - B) 8
 - C) 10
 - D) 7
 - E) 6
-

1636 Using the English alphabet, correctly complete the following sequence of letters: E; A; X; T; Q; M; ?

- A) I
 - B) J
 - C) F
 - D) H
 - E) K
-

1637 If B = 15, C = 14, ... T = 0, how much is R?

- A) 4
 - B) 3
 - C) 1
 - D) 2
 - E) 5
-

1638 Using the English alphabet, correctly complete the following sequence of letters: A; D; A; C; F; C; ?; ?

- A) E; H
 - B) H; J
 - C) F; C
 - D) E; I
 - E) D; H
-

1639 Using the English alphabet, correctly complete the following sequence of letters: N; L; ?; H; F; D

- A) J
 - B) I
 - C) K
 - D) G
 - E) M
-

1640 Using the English alphabet, correctly complete the following sequence of letters: Z; X; U; Q; ?; F

- A) O
 - B) M
 - C) K
 - D) L
 - E) J
-

1641 Using the English alphabet, correctly complete the following sequence of letters: R; T; V; X; Z; ?

- A) B
 - B) A
 - C) C
 - D) D
 - E) Y
-

1642 Using the English alphabet, correctly complete the following sequence of letters: H; J; D; K; M; G; ?; ?

- A) N; P
 - B) I; C
 - C) I; P
 - D) N; O
 - E) M; P
-

1643 Using the English alphabet, correctly complete the following sequence of letters: P; J; D; E; Y; S; ?; ?

- A) T; U
 - B) T; N
 - C) M; N
 - D) T; M
 - E) U; N
-

1644 Using the English alphabet, correctly complete the following sequence of letters: R; L; F; G; A; U; ?; ?

- A) V; P
 - B) O; P
 - C) V; W
 - D) V; Q
 - E) Q; P
-

1645 Using the English alphabet, correctly complete the following sequence of letters: S; M; G; H; B; V; ?; ?

- A) P; Q
 - B) W; Q
 - C) P; J
 - D) W; P
 - E) X; Q
-

1646 Using the English alphabet, correctly complete the following sequence of letters: U; W; Q; X; Z; T; ?; ?
A) V; P
B) A; C
C) N; P
D) A; D
E) B; C

1647 If $B = 16$, $C = 15$, ... $T = 1$, how much is N?

- A) 5
- B) 7
- C) 9
- D) 8
- E) 6

1648 Using the English alphabet, correctly complete the following sequence of letters: L; T; Y; V; D; I; ?; ?

- A) N; K
- B) Q; V
- C) F; N
- D) F; M
- E) G; N

1649 The rules of a game are the following: if a number is divisible by 8, it is worth 3 points; if it is divisible by 3, it is worth 2 points. Based on these rules, which of the following numbers is worth more?

- A) 34
- B) 33
- C) 14
- D) 30
- E) 48

1650 What is the product between the results of the following operations: $560 / 280$ and $870 / 290$?

- A) 6
- B) 8
- C) 9
- D) 12
- E) 10

1651 The rules of a game are the following: if a number is divisible by 3, it is worth 8 points; if it is divisible by 8, it is worth 4 points; if it is divisible by 4, it is worth 6 points. Based on these rules, what is the value of the number 45?

- A) 4 points
- B) 8 points
- C) 6 points
- D) 10 points
- E) 12 points

1652 If ZAP identify a (single) number divisible by 7, ZUP identify a (single) number divisible by 5 and ZEP identify a (single) number divisible by 4, then how can be written the number 48?

- A) ZAP ZEP
- B) ZUP ZEP
- C) ZEP ZEP
- D) ZEP ZAP
- E) ZEP ZUP

1653 What is the difference between the results of the following operations: $3720 / 2$ and $3718 / 2$?

- A) 2
- B) 0.5
- C) 1
- D) 0
- E) 3

1654 What is the difference between the results of the following operations: $4720 / 2$ and $4718 / 2$?

- A) 2
- B) 0.5
- C) 1
- D) 0
- E) 1.5

1655 What is the difference between the results of the following operations: $3724 / 2$ and $3722 / 2$?

- A) 0
- B) 0.5
- C) 1
- D) 2
- E) 1.5

1656 What is the difference between the results of the following operations: $3726 / 2$ and $3724 / 2$?

- A) 0
- B) 0.5
- C) 2
- D) 1.5
- E) 1

1657 The rules of a game are the following: if a number is divisible by 8, it is worth 2 points; if it is divisible by 7, it is worth 5 points; if it is divisible by 5 it is worth 4 points. Based on these rules, what is the value of the number 25?

- A) 13 points
- B) 5 points
- C) 7 points
- D) 11 points
- E) 4 points

1658 Using the English alphabet, correctly complete the following sequence of letters: G; K; O; S; ?; A; E

- A) X
- B) Y
- C) W
- D) V
- E) U

1659 What is the difference between the results of the following operations: $4616 / 2$ and $4614 / 2$?

- A) 2
- B) 0.5
- C) 1
- D) 0
- E) 1.5

1660 Using the English alphabet, correctly complete the following sequence of letters: M; O; S; M; O; S; ?; ?

- A) M; S
- B) M; O
- C) D; E
- D) O; F
- E) D; L

1661 If letter V identifies any numerical (single) digit, letter B identifies any (single) even digit and letter O any (single) odd digit, then VVBB is:

- A) an odd 3-digit number
- B) an even 2-digit number
- C) an even 4-digit number
- D) an odd 4-digit number
- E) an odd 2-digit number

1662 If letter O identifies any numerical (single) digit, letter R identifies any (single) even digit and letter F any (single) odd digit, then OORR is:

- A) an even 4-digit number
- B) an odd 4-digit number
- C) an even 2-digit number
- D) an odd 3-digit number
- E) an odd 2-digit number

1663 If letter B identifies any numerical (single) digit, letter E identifies any (single) even digit and letter R any (single) odd digit, then RBBR is:

- A) an odd 3-digit number
- B) an odd 1-digit number
- C) divisible by 2
- D) an odd 4-digit number
- E) an even 4-digit number

1664 Using the English alphabet, correctly complete the following sequence of letters: V; Y; W; Z; X; A; ?; ?

- A) Y; C
- B) Y; B
- C) X; Y
- D) D; B
- E) Z; B

-
- 1665** The rules of a game are the following: if a number is divisible by 4, it is worth 5 points; if it is divisible by 3, it is worth 4 points. Based on these rules, which of the following numbers worths more?
- A) 27
 - B) 52
 - C) 9
 - D) 18
 - E) 81
-
- 1666** A number of streetlights must be placed along the sides of a rectangular courtyard whose sides are 52 meters and 78 meters, all at the same and greatest distance, so that each corner of the courtyard has a streetlight. At what distance should the streetlights be placed from each other?
- A) 23 meters
 - B) 52 meters
 - C) 13 meters
 - D) 26 meters
 - E) 31 meters
-
- 1667** A number of streetlights must be placed along the sides of a rectangular courtyard whose sides are 52 meters and 68 meters, all at the same and greatest distance, so that each corner of the courtyard has a streetlight. At what distance should the streetlights be placed from each other?
- A) 9 meters
 - B) 8 meters
 - C) 2 meters
 - D) 4 meters
 - E) 1 meter
-
- 1668** The tiler Pierluca paves a room with X rectangular tiles sized 5 x 6 cm; each tile costs 2.5 euros. The tiler Savino paves a room with the same area, but his tiles are 5.5 x 7.5 cm; each tile costs 2.6 euros. Which covering is cheaper?
- A) The covering used by Savino
 - B) The covering used by Pierluca
 - C) The covering used by Savino, which costs less than half as much as Pierluca's covering
 - D) The covering used by Pierluca, which costs less than half as much as Savino's covering
 - E) This cannot be determined unless we know the area of the two rooms
-
- 1669** The tiler Albertino paves a room with X rectangular tiles sized 3 x 8 cm; each tile costs 3.5 euros. The tiler Giangiuseppe paves a room with the same area, but his tiles are 7.5 x 9.5 cm; each tile costs 3.6 euros. Which covering is cheaper?
- A) The covering used by Albertino
 - B) The covering used by Giangiuseppe, which costs less, even though it costs more than half as much as Albertino's covering
 - C) The covering used by Giangiuseppe
 - D) The covering used by Albertino, which costs less, even though it costs more than half as much as Giangiuseppe's covering
 - E) This cannot be determined unless we know the area of the two rooms
-

- 1670** The tiler Niccolò paves a room with X rectangular tiles sized 9×2 cm; each tile costs 0.5 euros. The tiler Ardenio paves a room with the same area, but his tiles are 1.5×12.5 cm; each tile costs 0.6 euros. Which covering is cheaper?
- A) The covering used by Ardenio
 - B) The covering used by Ardenio, which costs less than half as much as Niccolò's covering
 - C) The covering used by Niccolò, which costs less than half as much as Ardenio's covering
 - D) The covering used by Niccolò
 - E) This cannot be determined unless we know the area of the two rooms
-
- 1671** The tiler Charles paves a room with X rectangular tiles sized 6×5 cm; each tile costs 2 euros. The tiler Scott paves a room with the same area, but his tiles are 4.5×9.5 cm; each tile costs 2.1 euros. Which covering is cheaper?
- A) This cannot be determined unless we know the area of the two rooms
 - B) The covering used by Scott
 - C) The covering used by Scott, which costs less than half as much as Charles's covering
 - D) The covering used by Charles, which costs less than half as much as Scott's covering
 - E) The covering used by Charles
-
- 1672** The tiler Ubaldo paves a room with X rectangular tiles sized 8×3 cm; each tile costs 4 euros. The tiler Osorio paves a room with the same area, but his tiles are 2.5×11.5 cm; each tile costs 4.1 euros. Which covering is cheaper?
- A) The covering used by Ubaldo
 - B) The covering used by Osorio, which costs less than half as much as Ubaldo's covering
 - C) The covering used by Osorio
 - D) The covering used by Ubaldo, which costs less than half as much as Osorio's covering
 - E) This cannot be determined unless we know the area of the two rooms
-
- 1673** The tiler Aureliano paves a room with X rectangular tiles sized 3×8 cm; each tile costs 1.5 euros. The tiler Claude paves a room with the same area, but his tiles are 7.5×6.5 cm; each tile costs 1.6 euros. Which covering is cheaper?
- A) The covering used by Aureliano
 - B) The covering used by Aureliano, which costs less than half as much as Claude's covering
 - C) The covering used by Claude, which costs less than half as much as Aureliano's covering
 - D) The covering used by Claude
 - E) This cannot be determined unless we know the area of the two rooms
-
- 1674** 500 seats in the Parliament are divided among 10 political parties. There aren't two parties with the same number of seats and each party has at least 20 seats. Which is the lowest number of seats that the third bigger party can have?
- A) 120
 - B) 119
 - C) 27
 - D) 121
 - E) 118

1675 500 seats in the Parliament are divided among 6 political parties. There aren't two parties with the same number of seats and each party has at least 20 seats. Which is the lowest number of seats that the third bigger party can have?

- A) 23
- B) 115
- C) 114
- D) 116
- E) 113

1676 500 seats in the Parliament are divided among 10 political parties. There aren't two parties with the same number of seats and each party has at least 20 seats. Which is the lowest number of seats that the fifth bigger party can have?

- A) 25
- B) 80
- C) 79
- D) 81
- E) 78

1677 600 seats in the Parliament are divided among 8 political parties. There aren't two parties with the same number of seats and each party has at least 20 seats. Which is the lowest number of seats that the fifth bigger party can have?

- A) 108
- B) 107
- C) 23
- D) 109
- E) 106

1678 600 seats in the Parliament are divided among 10 political parties. There aren't two parties with the same number of seats and each party has at least 10 seats. Which is the highest number of seats that the fifth bigger party can have?

- A) 106
- B) 110
- C) 14
- D) 108
- E) 111

1679 500 seats in the Parliament are divided among 10 political parties. There aren't two parties with the same number of seats and each party has at least 25 seats. Which is the highest number of seats that the fifth bigger party can have?

- A) 29
- B) 71
- C) 75
- D) 73
- E) 76

-
- 1680** 700 seats in the Parliament are divided among 10 political parties. There aren't two parties with the same number of seats and each party has at least 30 seats. Which is the highest number of seats that the fifth bigger party can have?
- A) 110
 - B) 34
 - C) 106
 - D) 108
 - E) 111
-
- 1681** A block of shares, which starting value was 50,000 euros, has yielded the value of 20% during the first year, of 50% during the second year, of 10% during the third year. Which is the final value of the block?
- A) 49,000 euros
 - B) 90,000 euros
 - C) 94,500 euros
 - D) 99,000 euros
 - E) 108,000 euros
-
- 1682** A block of shares, which starting value was 55,000 euros, has yielded the value of 20% during the first year, of 50% during the second year, of 10% during the third year. Which is the final value of the block?
- A) 108,900 euros
 - B) 99,000 euros
 - C) 103,950 euros
 - D) 118,800 euros
 - E) 53,900 euros
-
- 1683** A block of shares, which starting value was 60,000 euros, has yielded the value of 20% during the first year, of 50% during the second year, of 10% during the third year. Which is the final value of the block?
- A) 118,800 euros
 - B) 108,000 euros
 - C) 113,400 euros
 - D) 129,600 euros
 - E) 58,800 euros
-
- 1684** A block of shares, which starting value was 65,000 euros, has yielded the value of 20% during the first year, of 50% during the second year, of 10% during the third year. Which is the final value of the block?
- A) 140,400 euros
 - B) 117,000 euros
 - C) 122,850 euros
 - D) 63,700 euros
 - E) 128,700 euros
-

-
- 1685** A block of shares, which starting value was 75,000 euros, has yielded the value of 20% during the first year, of 50% during the second year, of 10% during the third year. Which is the final value of the block?
- A) 148,500 euros
 - B) 135,000 euros
 - C) 141,750 euros
 - D) 162,000 euros
 - E) 73,500 euros
-
- 1686** A block of shares, which starting value was 80,000 euros, has yielded the value of 20% during the first year, of 50% during the second year, of 10% during the third year. Which is the final value of the block?
- A) 78,400 euros
 - B) 144,000 euros
 - C) 151,200 euros
 - D) 172,800 euros
 - E) 158,400 euros
-
- 1687** A block of shares, which starting value was 30,000 euros, has yielded the value of 50% during the first year, of 20% during the second year, of 10% during the third year. Which is the final value of the block?
- A) 64,800 euros
 - B) 59,400 euros
 - C) 56,700 euros
 - D) 54,000 euros
 - E) 29,400 euros
-
- 1688** A block of shares, which starting value was 35,000 euros, has yielded the value of 50% during the first year, of 20% during the second year, of 10% during the third year. Which is the final value of the block?
- A) 34,300 euros
 - B) 63,000 euros
 - C) 66,150 euros
 - D) 75,600 euros
 - E) 69,300 euros
-
- 1689** A block of shares, which starting value was 40,000 euros, has yielded the value of 50% during the first year, of 20% during the second year, of 10% during the third year. Which is the final value of the block?
- A) 39,200 euros
 - B) 72,000 euros
 - C) 75,600 euros
 - D) 79,200 euros
 - E) 86,400 euros
-

-
- 1690** A block of shares, which starting value was 45,000 euros, has yielded the value of 50% during the first year, of 20% during the second year, of 10% during the third year. Which is the final value of the block?
- A) 85,050 euros
 - B) 81,000 euros
 - C) 89,100 euros
 - D) 97,200 euros
 - E) 44,100 euros
-
- 1691** A block of shares, which starting value was 50,000 euros, has yielded the value of 50% during the first year, of 20% during the second year, of 10% during the third year. Which is the final value of the block?
- A) 90,000 euros
 - B) 108,000 euros
 - C) 94,500 euros
 - D) 99,000 euros
 - E) 49,000 euros
-
- 1692** A block of shares, which starting value was 55,000 euros, has yielded the value of 50% during the first year, of 20% during the second year, of 10% during the third year. Which is the final value of the block?
- A) 99,000 euros
 - B) 118,800 euros
 - C) 103,950 euros
 - D) 108,900 euros
 - E) 53,900 euros
-
- 1693** A block of shares, which starting value was 60,000 euros, has yielded the value of 50% during the first year, of 20% during the second year, of 10% during the third year. Which is the final value of the block?
- A) 118,800 euros
 - B) 108,000 euros
 - C) 113,400 euros
 - D) 129,600 euros
 - E) 58,800 euros
-
- 1694** A block of shares, which starting value was 35,000 euros, has yielded the value of 50% during the first year, of 10% during the second year, of 20% during the third year. Which is the final value of the block?
- A) 34,300 euros
 - B) 63,000 euros
 - C) 69,300 euros
 - D) 80,850 euros
 - E) 63,525 euros
-

- 1695** A block of shares, which starting value was 40,000 euros, has yielded the value of 50% during the first year, of 10% during the second year, of 20% during the third year. Which is the final value of the block?
- A) 39,200 euros
 - B) 72,000 euros
 - C) 72,600 euros
 - D) 79,200 euros
 - E) 92,400 euros
- 1696** A block of shares, which starting value was 45,000 euros, has yielded the value of 50% during the first year, of 10% during the second year, of 20% during the third year. Which is the final value of the block?
- A) 103,950 euros
 - B) 81,000 euros
 - C) 81,675 euros
 - D) 89,100 euros
 - E) 44,100 euros
- 1697** A block of shares, which starting value was 50,000 euros, has yielded the value of 50% during the first year, of 10% during the second year, of 20% during the third year. Which is the final value of the block?
- A) 115,500 euros
 - B) 90,000 euros
 - C) 99,000 euros
 - D) 90,750 euros
 - E) 49,000 euros
- 1698** A block of shares, which starting value was 65,000 euros, has yielded the value of 50% during the first year, of 10% during the second year, of 20% during the third year. Which is the final value of the block?
- A) 128,700 euros
 - B) 117,000 euros
 - C) 117,975 euros
 - D) 150,150 euros
 - E) 63,700 euros
- 1699** A block of shares, which starting value was 70,000 euros, has yielded the value of 50% during the first year, of 10% during the second year, of 20% during the third year. Which is the final value of the block?
- A) 138,600 euros
 - B) 126,000 euros
 - C) 127,050 euros
 - D) 161,700 euros
 - E) 68,600 euros
- 1700** The price of a product is reduced by 15% during a promotion. To sell the same product at the starting price, it is necessary to increase the promotional price by:
- A) it cannot be determined without knowing the price of the product
 - B) 14%
 - C) 15%
 - D) 30%
 - E) about 18%

-
- 1701** The price of a product is reduced by 16% during a promotion. To sell the same product at the starting price, it is necessary to increase the promotional price by:
- A) about 19%
 - B) it cannot be determined without knowing the price of the product
 - C) 16%
 - D) 32%
 - E) 15%
-
- 1702** The price of a product is reduced by 24% during a promotion. To sell the same product at the starting price, it is necessary to increase the promotional price by:
- A) it cannot be determined without knowing the price of the product
 - B) about 32%
 - C) 24%
 - D) 48%
 - E) 23%
-
- 1703** The price of a product is reduced by 26% during a promotion. To sell the same product at the starting price, it is necessary to increase the promotional price by:
- A) 26%
 - B) it cannot be determined without knowing the price of the product
 - C) about 35%
 - D) 52%
 - E) 25%
-
- 1704** The price of a product is reduced by 27% during a promotion. To sell the same product at the starting price, it is necessary to increase the promotional price by:
- A) 54%
 - B) it cannot be determined without knowing the price of the product
 - C) 27%
 - D) about 37%
 - E) 26%
-
- 1705** The price of a product is reduced by 29% during a promotion. To sell the same product at the starting price, it is necessary to increase the promotional price by:
- A) it cannot be determined without knowing the price of the product
 - B) 28%
 - C) 29%
 - D) 58%
 - E) about 41%
-
- 1706** The price of a product is reduced by 30% during a promotion. To sell the same product at the starting price, it is necessary to increase the promotional price by:
- A) about 43%
 - B) it cannot be determined without knowing the price of the product
 - C) 30%
 - D) 60%
 - E) 29%
-

-
- 1707 The price of a product is reduced by 34% during a promotion. To sell the same product at the starting price, it is necessary to increase the promotional price by:**
- A) it cannot be determined without knowing the price of the product
 - B) about 52%
 - C) 34%
 - D) 68%
 - E) 33%
-
- 1708 The price of a product is reduced by 36% during a promotion. To sell the same product at the starting price, it is necessary to increase the promotional price by:**
- A) it cannot be determined without knowing the price of the product
 - B) 72%
 - C) 36%
 - D) about 56%
 - E) 35%
-
- 1709 The price of a product is reduced by 49% during a promotion. To sell the same product at the starting price, it is necessary to increase the promotional price by:**
- A) 48%
 - B) it cannot be determined without knowing the price of the product
 - C) 49%
 - D) 120%
 - E) about 96%
-
- 1710 The price of a product is reduced by 50% during a promotion. To sell the same product at the starting price, it is necessary to increase the promotional price by:**
- A) 49%
 - B) 100%
 - C) 50%
 - D) 150%
 - E) it cannot be determined without knowing the price of the product
-
- 1711 The price of a product is reduced by 51% during a promotion. To sell the same product at the starting price, it is necessary to increase the promotional price by:**
- A) 135%
 - B) it cannot be determined without knowing the price of the product
 - C) 51%
 - D) about 104%
 - E) 50%
-
- 1712 A segment of 56 cm is divided in two parts which are proportional to the numbers 3 and 4. What is the size of the shortest part?**
- A) 21 cm
 - B) 32 cm
 - C) 42 cm
 - D) 24 cm
 - E) 27 cm
-

1713 Daniela bought a bag containing 450 marbles for her children Susan, Claude and Leonard. She decides to divide the marbles proportionally among her children according to their ages. Knowing that Susan is five years younger than Claude – who is 14 –, and that Leonard's age is half Claude's age, how many marbles will Leonard receive?

- A) 104
- B) 144
- C) 54
- D) 62
- E) 105

1714 Luke is trying to sell his old car on the second-hand market at 2,000 euros, but with no results. Not finding buyers, each month he offers an additional discount of 10%. What will be the selling price of the car after 2 months?

- A) 1,625 euros
- B) 1,600 euros
- C) 1,710 euros
- D) 1,440 euros
- E) 1,458 euros

1715 Lucrezia is trying to sell her old car on the second-hand market at 3,000 euros, but with no results. Not finding buyers, each month she offers an additional discount of 10%. What will be the selling price of the car after 2 months?

- A) 2,430 euros
- B) 2,400 euros
- C) 2,565 euros
- D) 2,160 euros
- E) 2,187 euros

1716 Lucy is trying to sell her old car on the second-hand market at 4,000 euros, but with no results. Not finding buyers, each month she offers an additional discount of 10%. What will be the selling price of the car after 2 months?

- A) 3,240 euros
- B) 3,200 euros
- C) 3,420 euros
- D) 2,880 euros
- E) 2,916 euros

1717 Evelina is trying to sell her old car on the second-hand market at 5,000 euros, but with no results. Not finding buyers, each month she offers an additional discount of 10%. What will be the selling price of the car after 2 months?

- A) 3,600 euros
- B) 4,000 euros
- C) 4,275 euros
- D) 4,050 euros
- E) 3,645 euros

-
- 1718 Annagrazia is trying to sell her old car on the second-hand market at 6,000 euros, but with no results. Not finding buyers, each month she offers an additional discount of 10%. What will be the selling price of the car after 2 months?**
- A) 4,320 euros
 - B) 4,800 euros
 - C) 5,130 euros
 - D) 4,374 euros
 - E) 4,860 euros
-
- 1719 Adelma is trying to sell her old car on the second-hand market at 9,000 euros, but with no results. Not finding buyers, each month she offers an additional discount of 10%. What will be the selling price of the car after 2 months?**
- A) 7,290 euros
 - B) 7,200 euros
 - C) 7,695 euros
 - D) 6,480 euros
 - E) 6,561 euros
-
- 1720 Dominica is trying to sell her old car on the second-hand market at 3,000 euros, but with no results. Not finding buyers, each month she offers an additional discount of 20%. What will be the selling price of the car after 2 months?**
- A) 1,920 euros
 - B) 1,800 euros
 - C) 2,160 euros
 - D) 1,440 euros
 - E) 1,536 euros
-
- 1721 Marisa is trying to sell her old car on the second-hand market at 5,000 euros, but with no results. Not finding buyers, each month she offers an additional discount of 20%. What will be the selling price of the car after 2 months?**
- A) 2,400 euros
 - B) 3,000 euros
 - C) 3,600 euros
 - D) 3,200 euros
 - E) 2,560 euros
-
- 1722 Manuele is trying to sell his old car on the second-hand market at 5,000 euros, but with no results. Not finding buyers, each month he offers an additional discount of 40%. What will be the selling price of the car after 2 months?**
- A) 1,000 euros
 - B) 2,400 euros
 - C) 1,800 euros
 - D) 600 euros
 - E) 1,080 euros
-

-
- 1723** Manuel is trying to sell his old car on the second-hand market at 6,000 euros, but with no results. Not finding buyers, each month he offers an additional discount of 40%. What will be the selling price of the car after 2 months?
- A) 2,880 euros
 - B) 1,200 euros
 - C) 720 euros
 - D) 2,160 euros
 - E) 1,296 euros
-
- 1724** Sebastian is trying to sell his old car on the second-hand market at 8,000 euros, but with no results. Not finding buyers, each month he offers an additional discount of 40%. What will be the selling price of the car after 2 months?
- A) 1,600 euros
 - B) 2,880 euros
 - C) 3,840 euros
 - D) 960 euros
 - E) 1,728 euros
-
- 1725** Violeta is trying to sell her old car on the second-hand market at 9,000 euros, but with no results. Not finding buyers, each month she offers an additional discount of 40%. What will be the selling price of the car after 2 months?
- A) 1,080 euros
 - B) 1,800 euros
 - C) 3,240 euros
 - D) 4,320 euros
 - E) 1,944 euros
-
- 1726** Mariele is trying to sell her old car on the second-hand market at 8,000 euros, but with no results. Not finding buyers, each month she offers an additional discount of 50%. What will be the selling price of the car after 2 months?
- A) 600 euros
 - B) 500 euros
 - C) 3,000 euros
 - D) 2,000 euros
 - E) 1,000 euros
-
- 1727** Marelli is trying to sell her old car on the second-hand market at 9,000 euros, but with no results. Not finding buyers, each month she offers an additional discount of 50%. What will be the selling price of the car after 2 months?
- A) 500 euros
 - B) 1,125 euros
 - C) 3,375 euros
 - D) 600 euros
 - E) 2,250 euros
-

-
- 1728** Mary is trying to sell her old car on the second-hand market at 5,000 euros, but with no results. Not finding buyers, each month she offers an additional discount of 10%. What will be the selling price of the car after 3 months?
- A) 4,050 euros
 - B) 3,500 euros
 - C) 2,430 euros
 - D) 3,645 euros
 - E) 3,240 euros
-
- 1729** Massimiliana is trying to sell her old car on the second-hand market at 8,000 euros, but with no results. Not finding buyers, each month she offers an additional discount of 10%. What will be the selling price of the car after 3 months?
- A) 6,480 euros
 - B) 5,600 euros
 - C) 3,888 euros
 - D) 5,184 euros
 - E) 5,832 euros
-
- 1730** Elva is trying to sell her old car on the second-hand market at 1,000 euros, but with no results. Not finding buyers, each month she offers an additional discount of 20%. What will be the selling price of the car after 3 months?
- A) 400 euros
 - B) 512 euros
 - C) 128 euros
 - D) 384 euros
 - E) 640 euros
-
- 1731** Maurilio is trying to sell his old car on the second-hand market at 2,000 euros, but with no results. Not finding buyers, each month he offers an additional discount of 20%. What will be the selling price of the car after 3 months?
- A) 1,280 euros
 - B) 800 euros
 - C) 256 euros
 - D) 768 euros
 - E) 1,024 euros
-
- 1732** Hernandez is trying to sell his old car on the second-hand market at 4,000 euros, but with no results. Not finding buyers, each month he offers an additional discount of 20%. What will be the selling price of the car after 3 months?
- A) 512 euros
 - B) 2,048 euros
 - C) 1,600 euros
 - D) 1,536 euros
 - E) 2,560 euros
-

-
- 1733 Elia is trying to sell his old car on the second-hand market at 15,000 euros, but with no results. Not finding buyers, each month he offers an additional discount of 20%. What will be the selling price of the car after 3 months?**
- A) 9,600 euros
 - B) 6,000 euros
 - C) 1,920 euros
 - D) 7,680 euros
 - E) 5,760 euros
-
- 1734 Michaela is trying to sell her old car on the second-hand market at 20,000 euros, but with no results. Not finding buyers, each month she offers an additional discount of 20%. What will be the selling price of the car after 3 months?**
- A) 2,560 euros
 - B) 8,000 euros
 - C) 10,240 euros
 - D) 7,680 euros
 - E) 12,800 euros
-
- 1735 Mikaela is trying to sell her old car on the second-hand market at 6,000 euros, but with no results. Not finding buyers, each month she offers an additional discount of 40%. What will be the selling price of the car after 3 months?**
- A) 8.006 euros
 - B) 432 euros
 - C) 1,728 euros
 - D) 1,296 euros
 - E) 2,160 euros
-
- 1736 Mr Rossi's salary grew from 2,000 euros to 2,500 euros. What was the percentage increase?**
- A) 75%
 - B) 50%
 - C) 25%
 - D) 12,5%
 - E) 30%
-
- 1737 Mr Rossi's salary grew from 2,500 euros to 3,000 euros. What was the percentage increase?**
- A) 25%
 - B) 50%
 - C) 20%
 - D) 10%
 - E) 30%
-
- 1738 Mr Rossi's salary grew from 1,500 euros to 1,650 euros. What was the percentage increase?**
- A) 5%
 - B) 15%
 - C) 40%
 - D) 10%
 - E) 25%
-

1739 Mr Rossi's salary grew from 2,000 euros to 2,800 euros. What was the percentage increase?

- A) 80%
 - B) 20%
 - C) 40%
 - D) 120%
 - E) 30%
-

1740 Mr Rossi's salary grew from 2,000 euros to 3,000 euros. What was the percentage increase?

- A) 50%
 - B) 100%
 - C) 150%
 - D) 25%
 - E) 30%
-

1741 Mr Rossi's salary grew from 2,000 euros to 2,100 euros. What was the percentage increase?

- A) 15%
 - B) 10%
 - C) 30%
 - D) 2,5%
 - E) 5%
-

1742 Mr Rossi's salary grew from 2,500 euros to 2,750 euros. What was the percentage increase?

- A) 5%
 - B) 20%
 - C) 25%
 - D) 30%
 - E) 10%
-

1743 Mr Rossi's salary grew from 3,000 euros to 3,750 euros. What was the percentage increase?

- A) 30%
 - B) 75%
 - C) 50%
 - D) 25%
 - E) 12,5%
-

1744 Mr Rossi's salary grew from 2,500 euros to 3,500 euros. What was the percentage increase?

- A) 25%
 - B) 100%
 - C) 40%
 - D) 80%
 - E) 30%
-

1745 Mr Rossi's salary grew from 1,500 euros to 2,250 euros. What was the percentage increase?

- A) 50%
 - B) 75%
 - C) 100%
 - D) 25%
 - E) 30%
-

1746 Mr Rossi's salary grew from 3,000 euros to 3,150 euros. What was the percentage increase?

- A) 2,5%
 - B) 20%
 - C) 5%
 - D) 15%
 - E) 30%
-

1747 Mr Rossi's salary grew from 1,500 euros to 1,800 euros. What was the percentage increase?

- A) 25%
 - B) 20%
 - C) 30%
 - D) 10%
 - E) 15%
-

1748 Mr Rossi's salary grew from 4,000 euros to 5,000 euros. What was the percentage increase?

- A) 100%
 - B) 12,5%
 - C) 50%
 - D) 25%
 - E) 60%
-

1749 Mr Rossi's salary grew from 1,500 euros to 2,100 euros. What was the percentage increase?

- A) 160%
 - B) 80%
 - C) 40%
 - D) 20%
 - E) 30%
-

1750 Mr Rossi's salary grew from 2,500 euros to 3,750 euros. What was the percentage increase?

- A) 25%
 - B) 125%
 - C) 100%
 - D) 60%
 - E) 50%
-

1751 Mr Rossi's salary grew from 4,000 euros to 4,200 euros. What was the percentage increase?

- A) 20%
 - B) 2.5%
 - C) 10%
 - D) 5%
 - E) 30%
-

1752 If:

$$ZA - 6 + YW = XE - 1$$

$$ZA = 18 + XE$$

then YW equals:

- A) 13
 - B) 11
 - C) -26
 - D) 39
 - E) -13
-

1753 Alfred, Mark and George have to walk a distance of 2,000 metres. If they start off at 5:20, 6:50 and 8:00, respectively, and they walk respectively at speeds of 1 Km/h, 800 m/h, 1,100 m/h, which of the following statements are true? I) When Mark starts off, Alfred is still on his way; II) When George starts off, Alfred is still on his way; III) When George starts off, Mark is still on his way; IV) George arrives before Mark does.

- A) I), III)
- B) I), II)
- C) I), II), III)
- D) III), IV)
- E) II), IV)

1754 Complete the following sequence using the English alphabet: A; 20; J; 7; 16; S; 3; ?; ?

- A) 12; J
- B) A; 1
- C) 12; B
- D) 8; B
- E) 15; C

1755 Complete the following sequence using the English alphabet: B; 19; C; 17; E; 16; F; 14; ?; ?

- A) H; 15
- B) H; 7
- C) G; 22
- D) H; 13
- E) C; -2

1756 Complete the following sequence using the English alphabet: I; 26; J; 24; L; 23; M; 21; ?; ?

- A) N; 29
- B) J; 5
- C) O; 14
- D) N; 20
- E) O; 20

1757 Complete the following sequence using the English alphabet: N; 35; P; 32; S; 30; U; 27; ?; ?

- A) P; 14
- B) P; 25
- C) Y; 21
- D) A; 36
- E) X; 25

1758 Complete the following sequence using the English alphabet: U; 112; Z; 99; E; 86; ?; ?

- A) M; 77
- B) P; 73
- C) J; 73
- D) K; 92
- E) J; 77

1759 Complete the following sequence using the English alphabet: Q; 15; X; 16; E; 31; L; 47; ?; ?

- A) S; 78
- B) Q; 56
- C) V; 59
- D) T; 43
- E) W; 78

1760 Complete the following sequence using the English alphabet: D; 8; A; 9; X; 17; U; 26; ?; ?

- A) A; 52
 - B) R; 43
 - C) Q; 55
 - D) R; 55
 - E) Q; 43
-

1761 Complete the following sequence using the English alphabet: R; 70; A; 60; 61; J; 51; ?; ?

- A) 41; W
 - B) 55; R
 - C) S; 5
 - D) 52; S
 - E) 48; Q
-

1762 Complete the following sequence using the English alphabet: O; 17; L; 18; I; 35; F; 53; ?; ?

- A) C; 88
 - B) L; 97
 - C) B; 100
 - D) B; 88
 - E) C; 100
-

1763 Complete the following sequence using the English alphabet: L; 84; B; 72; R; 48; ?; ?

- A) L; 36
 - B) E; 29
 - C) O; 36
 - D) H; 36
 - E) H; 72
-

1764 Complete the following sequence using the English alphabet: Q; 19; N; 20; K; 39; H; 59; ?; ?

- A) D; 98
 - B) N; 107
 - C) D; 110
 - D) E; 110
 - E) E; 98
-

1765 Complete the following sequence using the English alphabet: A; 24; C; 21; F; 19; H; 16; ?; ?

- A) K; 14
 - B) C; 3
 - C) K; 10
 - D) J; 14
 - E) M; 25
-

1766 Complete the following sequence using the English alphabet: B; 25; D; 22; G; 20; I; 17; ?; ?

- A) L; 11
 - B) D; 4
 - C) L; 15
 - D) K; 15
 - E) N; 26
-

1767 Complete the following sequence using the English alphabet: P; 18; M; 19; J; 37; G; 56; ?; ?

- A) M; 102
- B) D; 93
- C) C; 105
- D) C; 93
- E) D; 105

1768 Complete the following sequence using the English alphabet: T; 110; X; 99; B; 88; ?; ?

- A) F; 77
- B) V; 89
- C) F; 79
- D) E; 77
- E) X; 82

1769 Complete the following sequence using the English alphabet: B; 55; F; 63; J; 71; ?; ?

- A) L; 77
- B) N; 79
- C) N; 62
- D) O; 80
- E) F; 34

1770 Complete the following sequence using the English alphabet: P; 24; ?; 12; H; ?; D; 3

- A) 20; H
- B) I; 8
- C) 12; J
- D) 8; J
- E) L; 6

1771 If:

$$@ + @ + @ = \# - \#$$

then @ is equal to:

- A) 1
- B) -1
- C) 3
- D) 0
- E) there are not enough information to answer

1772 Complete the following sequence using the English alphabet: M; 28; N; 26; P; 25; Q; 23; ?; ?

- A) N; 7
- B) R; 31
- C) S; 16
- D) S; 22
- E) R; 20

1773 The little Ambrogio is playing with 352 square tiles of colored wood, all of the same size. He has built with tiles, putting one next to the other, the largest square possible; what is the ratio between the side of the square obtained and the side of each tile?

- A) 17 to 1
- B) 18 to 1
- C) 22 to 1
- D) 44 to 1
- E) 36 to 1

-
- 1774** Two quantities are one the inverse ratio of the other if 1 is the result of:
- A) none of other options is correct
 - B) their sum
 - C) their ratio
 - D) their square
 - E) their product
-
- 1775** Complete the following sequence using the English alphabet: C; 26; E; 23; H; 21; J; 18; ?; ?
- A) L; 15
 - B) E; 5
 - C) M; 16
 - D) M; 12
 - E) O; 27
-
- 1776** A number of streetlights must be placed along the sides of a rectangular courtyard whose sides are 42 and 77 meters, all at the same and greatest distance, so that each corner of the courtyard has a streetlight. At what distance should the streetlights be placed from each other?
- A) 12 meters
 - B) 14 meters
 - C) 7 meters
 - D) 3.5 meters
 - E) 4 meters
-
- 1777** The tiler Ario paves a room with X rectangular tiles sized 4 x 7 cm; each tile costs 3 euros. The tiler Eddie paves a room with the same area, but his tiles are 6.5 x 7.5 cm; each tile costs 3.1 euros. Which covering is cheaper?
- A) This cannot be determined unless we know the area of the two rooms
 - B) The covering used by Eddie
 - C) The covering used by Eddie, which costs less than half as much as Ario's covering
 - D) The covering used by Ario, which costs less than half as much as Eddie's covering
 - E) The covering used by Ario
-
- 1778** 700 seats in the Parliament are divided among 10 political parties. There aren't two parties with the same number of seats and each party has at least 20 seats. Which is the highest number of seats that the fifth bigger party can have?
- A) 118
 - B) 120
 - C) 24
 - D) 116
 - E) 121
-
- 1779** A block of shares, whose starting value was 70,000 euros, has yielded the value of 20% during the first year, of 50% during the second year, of 10% during the third year. Which is the final value of the block?
- A) 68,600 euros
 - B) 126,000 euros
 - C) 132,300 euros
 - D) 138,600 euros
 - E) 151,200 euros
-

- 1780** The price of a product is reduced by 25% during a promotion. To sell the same product at the starting price, it is necessary to increase the promotional price by:
- A) 50%
 - B) it cannot be determined without knowing the price of the product
 - C) 25%
 - D) about 33%
 - E) 24%
- 1781** Complete the following sequence using the English alphabet: S; 109; W; 98; A; 87; ?; ?
- A) E; 76
 - B) E; 78
 - C) W; 88
 - D) W; 81
 - E) F; 76
- 1782** Gino invests € 70,000 in a fund that guarantees an annual profit of X%. The value of his participation, after 2 years, is 157,500 euros. How much is X?
- A) 25
 - B) About 238
 - C) About 119
 - D) 100
 - E) 50
- 1783** Leonella must share a production bonus of 1,500 euros between her four employees. She plans to assign half to Santa, a quarter to Morgana, one fifth to Olivier and one tenth to Getulio. In this way:
- A) she would exceeded the total bonus of 125 euros
 - B) 62.5 euros would be unshared
 - C) she would run out the bonus dividing it among the four employees
 - D) 125 euros would be unshared
 - E) she would exceeded the total bonus of 62.5 euros
- 1784** A number of streetlights must be placed along the sides of a rectangular courtyard whose sides are 54 meters and 66 meters, all at the same and greatest distance, so that each corner of the courtyard has a lamppost. At what distance should the streetlights be placed from each other?
- A) 11 meters
 - B) 12 meters
 - C) 3 meters
 - D) 7 meters
 - E) 6 meters
- 1785** The tiler Ernestino paves a room with X rectangular tiles sized 5 x 6 cm; each tile costs 2,5 euros. The tiler Stelio paves a room with the same area, but his tiles are 5.5 x 7.5 cm; each tile costs 2.6 euros. Which covering is cheaper?
- A) This cannot be determined unless we know the area of the two rooms
 - B) The covering used by Stelio
 - C) The covering used by Stelio, which costs less than half as much as Ernestino's covering
 - D) The covering used by Ernestino, which costs less than half as much as Stelio's covering
 - E) The covering used by Ernestino

- 1786** 700 seats in a Parliament are divided among 10 political parties. There aren't two parties with the same number of seats and each one party has at least 10 seats. Which is the highest number of seats that the fifth bigger party can have?
- A) 130
 - B) 126
 - C) 14
 - D) 128
 - E) 131
- 1787** A block of shares, which starting value was 20,000 euros, has yielded the value of 20% during the first year, of 50% during the second year, of 10% during the third year. Which is the final value of the block?
- A) 39,600 euros
 - B) 36,000 euros
 - C) 37,800 euros
 - D) 43,200 euros
 - E) 19,600 euros
- 1788** The price of a product is reduced by 44% during a promotion. To sell the same product at the starting price, it is necessary to increase the promotional price by:
- A) it cannot be determined without knowing the price of the product
 - B) about 79%
 - C) 44%
 - D) 88%
 - E) 43%
- 1789** A segment of 56 cm is divided in two parts which are proportional to the numbers 2 and 5. What is the size of the longest part?
- A) 42 cm
 - B) 16 cm
 - C) 40 cm
 - D) 38 cm
 - E) 22.4 cm
- 1790** A square is composed of 256 identical small white squares. The outer perimeter is colored in red. How many squares are completely white?
- A) 225
 - B) 224
 - C) 169
 - D) 196
 - E) 182
- 1791** Severus is trying to sell his old car on the second-hand market at 10,000 euros, but with no results. Not finding buyers, each month he offers an additional discount of 10%. What will be the selling price of the car after 2 months?
- A) 8,550 euros
 - B) 8,000 euros
 - C) 8,100 euros
 - D) 7,200 euros
 - E) 7,290 euros

1792 By analyzing the wage for three years of the famous baseball champion Candido Mazza , it's evident that it increased from 600,000 euros, in Year 1, to 930,000 euros, in Year 2. For the Year 3 his contract is supposed to increase by 20% than the previous year. What is the percent increase of his wage between the Year 1 and Year 3?

- A) 86%
- B) 75%
- C) 40%
- D) 186%
- E) 129%

1793 Gilberta invests 12,000 euros for 11 months at the annual rate of 20%, so the interest she gets is:

- A) 200 euros
- B) 600 euros
- C) 300 euros
- D) 220 euros
- E) 2,200 euros

1794 Andrea, Barbara, Camillo and Dario inherited 45,000 euros. Andrea gets the double of Barbara, Camillo gets one and half the sum of Andrea and Dario gets the triple of Barbara. How much does inherit Dario?

- A) 200,000 euros
- B) 150,000 euros
- C) 120,000 euros
- D) 100,000 euros
- E) 50,000 euros

1795 In a summer camp there are 684 kids from Germany, 684 from Netherlands and 648 from France. The director wants to divide the kids in groups, all identical to each other, so that in each group there is the highest number of kids from the same State. How many kids are there in each group?

- A) 61
- B) 54
- C) 36
- D) 48
- E) 24

1796 If Roberta takes half of one fifth of 80% of a cake, how much cake does she take?

- A) One-eighth of cake
- B) The 70% of cake
- C) The 8% of cake
- D) An eighteenth of cake
- E) An eightieth of cake

1797 If $\frac{1}{3}$ of the contents of a tank evaporates on the first day, $\frac{3}{4}$ of the residual on the second day and knowing that the original contents was 120 litres, how many litres are still there in the tank on the third day?

- A) 15 litres
- B) 30 litres
- C) 25 litres
- D) 24 litres
- E) 20 litres

- 1798** Suppose that a , b , c and d are four positive real numbers. It's known that: $a/b = 2$, $c = 2a$ e $d = b/2$. Which of the following relations is correct?
- A) $c/b > a/d$
 - B) $c/d > a/b$
 - C) $a - d > c - b$
 - D) $b - d > a - b$
 - E) $a + b + d > c$
-
- 1799** What is the sum which yields a profit of 700 euros, if it has been used for 3 months with an annual interest rate of 7%?
- A) 30,000 euros
 - B) 40,000 euros
 - C) 20,000 euros
 - D) 4,000 euros
 - E) 49,000 euros
-
- 1800** Some patients, afflicted by a particular disease, are treated with a new kind of drug that cure them for the 80% of cases. Treating 10 patients, what is the probability to observe 5 healings?
- A) $5/10 = 0.5$
 - B) It's necessary to do a statistic test comparing the reported probability of 0.80 with the probability expected of 0.5
 - C) 0.80 raised to 5
 - D) 0.80 raised to 5 summed to 0.20 raised to 5
 - E) 0.80 raised to 5 multiplied for 0.20 raised to 5 and multiplied for 252
-
- 1801** Eleonora invests € 50,000 in a fund that guarantees an annual profit of 80%. How much will be the value registered by her participation after 2 years?
- A) 234,000 euros
 - B) 130,000 euros
 - C) 162,000 euros
 - D) 126,000 euros
 - E) 291,600 euros
-
- 1802** Natasha bought a bag containing 288 marbles for her children Rolf, Samuel and Gadi. She decides to divide the marbles proportionally among her children according to their ages. Knowing that Samuel is two years younger than Rolf – who is 8 –, and that Gadi's age is half Rolf's age, how many marbles will Gadi receive?
- A) 64
 - B) 72
 - C) 144
 - D) 54
 - E) 96
-
- 1803** Gadi bought a bag containing 288 marbles for his children Roland, Salvina and Lynda. She decides to divide the marbles proportionally among her children according to their ages. Knowing that Salvina is two years younger than Roland – who is 8 –, and that Lynda's age is half Roland's age, how many marbles will Roland receive?
- A) 120
 - B) 96
 - C) 64
 - D) 240
 - E) 128

1804 Gadi bought a bag containing 288 marbles for his children Roland, Salvina and Lynda. She decides to divide the marbles proportionally among her children according to their ages. Knowing that Salvina is two years younger than Roland – who is 8 –, and that Lynda's age is half Roland's age, how many marbles will Salvina receive?

- A) 60
- B) 128
- C) 75
- D) 180
- E) 96

1805 Lynda bought a bag containing 288 marbles for her children Romana, Selene and Nazario. She decides to divide the marbles proportionally among her children according to their ages. Knowing that Selene is two years younger than Romana – who is 8 –, and that Nazario's age is half Romana's age, how many marbles will Selene receive?

- A) 128
- B) 96
- C) 50
- D) 114
- E) 40

1806 Nazario bought a bag containing 288 marbles for his children Rose, Sabina and Elsayed. He decides to divide the marbles proportionally among his children according to their ages. Knowing that Sabina is two years younger than Rose – who is 8 –, and that Elsayed's age is half Rose's age, how many marbles will Sabina receive?

- A) 50
- B) 128
- C) 60
- D) 150
- E) 96

1807 Nazario bought a bag containing 288 marbles for his children Rose, Sabina and Elsayed. He decides to divide the marbles proportionally among his children according to their ages. Knowing that Sabina is two years younger than Rose – who is 8 –, and that Elsayed's age is half Rose's age, how many marbles will Elsayed receive?

- A) 64
- B) 96
- C) 120
- D) 50
- E) 36

1808 Ippazio bought a bag containing 288 marbles for his children Rosalbino, Samuel and William. He decides to divide the marbles proportionally among his children according to their ages. Knowing that Samuel is two years younger than Rosalbino – who is 8 –, and that William's age is half Rosalbino's age, how many marbles will Rosalbino receive?

- A) 168
- B) 96
- C) 56
- D) 128
- E) 160

- 1809** Ippazio bought a bag containing 288 marbles for his children Rosalbino, Samuel and William. He decides to divide the marbles proportionally among his children according to their ages. Knowing that Samuel is two years younger than Rosalbino – who is 8 –, and that William's age is half Rosalbino's age, how many marbles will Samuel receive?
- A) 56
 - B) 128
 - C) 42
 - D) 126
 - E) 96
- 1810** William bought a bag containing 288 marbles for his children Rosy, Sofia and Vanni. He decides to divide the marbles proportionally among his children according to their ages. Knowing that Sofia is two years younger than Rosy – who is 8 –, and that Vanni's age is half Rosy's age, how many marbles will Sofia receive?
- A) 144
 - B) 128
 - C) 96
 - D) 64
 - E) 48
- 1811** Francoise invests € 10,000 in a fund that guarantees an annual profit of 20% for 3 years. How much is the increase of the value registered by her participation only during the first year?
- A) 4,000 euros
 - B) 2,800 euros
 - C) The same amount of the second year
 - D) 1,000 euros
 - E) 2,000 euros
- 1812** Gilbert invests € 20,000 in a fund that guarantees an annual profit of 40% for 3 years. How much is the increase of the value registered by his participation only during the first year?
- A) The same amount of the second year
 - B) 15,680 euros
 - C) 16,000 euros
 - D) 8,000 euros
 - E) 4,000 euros
- 1813** Gerard invests € 10,000 in a fund that guarantees an annual profit of 50% for 3 years. How much is the increase of the value registered by his participation only during the first year?
- A) The same amount of the second year
 - B) 5,000 euros
 - C) 11,250 euros
 - D) 10,000 euros
 - E) 2,500 euros
- 1814** Gabria invests € 30,000 in a fund that guarantees an annual profit of 50% for 3 years. How much is the increase of the value registered by her participation only during the first year?
- A) 33,750 euros
 - B) The same amount of the second year
 - C) 15,000 euros
 - D) 30,000 euros
 - E) 7,500 euros

-
- 1815** Mariano invests € 50,000 in a fund that guarantees an annual profit of 50% for 3 years. How much is the increase of the value registered by his participation only during the first year?
- A) The same amount of the second year
 - B) 56,250 euros
 - C) 25,000 euros
 - D) 50,000 euros
 - E) 12,500 euros
-
- 1816** Gabriela invests € 70,000 in a fund that guarantees an annual profit of 50% for 3 years. How much is the increase of the value registered by her participation only during the first year?
- A) 70,000 euros
 - B) 78,750 euros
 - C) The same amount of the second year
 - D) 17,500 euros
 - E) 35,000 euros
-
- 1817** Gabrio invests € 80,000 in a fund that guarantees an annual profit of 50% for 3 years. How much is the increase of the value registered by his participation only during the first year?
- A) 20,000 euros
 - B) 90,000 euros
 - C) 40,000 euros
 - D) 80,000 euros
 - E) The same amount of the second year
-
- 1818** Gaja invests € 10,000 in a fund that guarantees an annual profit of 80% for 3 years. How much is the increase of the value registered by her participation only during the first year?
- A) 4,000 euros
 - B) 25,920 euros
 - C) 8,000 euros
 - D) 16,000 euros
 - E) The same amount of the second year
-
- 1819** Galdino invests € 20,000 in a fund that guarantees an annual profit of 80% for 3 years. How much is the increase of the value registered by his participation only during the first year?
- A) 51,840 euros
 - B) The same amount of the second year
 - C) 16,000 euros
 - D) 32,000 euros
 - E) 8,000 euros
-
- 1820** Giambattista invests € 60,000 in a fund that guarantees an annual profit of 80% for 3 years. How much is the increase of the value registered by his participation only during the first year?
- A) 155,520 euros
 - B) 48,000 euros
 - C) The same amount of the second year
 - D) 96,000 euros
 - E) 24,000 euros
-

1821 Geraldin invests € 10,000 in a fund that guarantees an annual profit of 20% for 2 years. How much is the increase of the value registered by her participation only during the first year?

- A) 2,000 euros
- B) 2,400 euros
- C) The same amount of the second year
- D) 4,000 euros
- E) 1,000 euros

1822 Gustav invests € 40,000 in a fund that guarantees an annual profit of 20% for 2 years. How much is the increase of the value registered by his participation only during the first year?

- A) 9,600 euros
- B) 8,000 euros
- C) The same amount of the second year
- D) 16,000 euros
- E) 4,000 euros

1823 A box full of oranges weighs 40 kilograms. Knowing that the weight of oranges represents the 98% of gross weight, what is the tare weight?

- A) 39.2 kilograms
- B) 0.4 kilograms
- C) 1.6 kilograms
- D) 0.8 kilograms
- E) 4 kilograms

1824 A box full of oranges weighs 40 kilograms. Knowing that the weight of oranges represents the 96% of gross weight, what is the tare weight?

- A) 1.6 kilograms
- B) 0.8 kilograms
- C) 3.2 kilograms
- D) 38.4 kilograms
- E) 8 kilograms

1825 A box full of oranges weighs 30 kilograms. Knowing that the weight of oranges represents the 98% of gross weight, what is the tare weight?

- A) 1.2 kilograms
- B) 0.6 kilograms
- C) 0.3 kilograms
- D) 29.4 kilograms
- E) 3 kilograms

1826 A box full of oranges weighs 30 kilograms. Knowing that the weight of oranges represents the 97% of gross weight, what is the tare weight?

- A) 29.1 kilograms
- B) 0.9 kilograms
- C) 1.8 kilograms
- D) 0.45 kilograms
- E) 4.5 kilograms

1827 A box full of oranges weighs 30 kilograms. Knowing that the weight of oranges represents the 96% of gross weight, what is the tare weight?

- A) 6 kilograms
 - B) 0.6 kilograms
 - C) 2.4 kilograms
 - D) 28.8 kilograms
 - E) 1.2 kilograms
-

1828 A box full of oranges weighs 30 kilograms. Knowing that the weight of oranges represents the 95% of gross weight, what is the tare weight?

- A) 0.75 kilograms
 - B) 1.5 kilograms
 - C) 3 kilograms
 - D) 28.5 kilograms
 - E) 7.5 kilograms
-

1829 A box full of oranges weighs 50 kilograms. Knowing that the weight of oranges represents the 98% of gross weight, what is the tare weight?

- A) 0.5 kilograms
 - B) 1 kilograms
 - C) 2 kilograms
 - D) 49 kilograms
 - E) 5 kilograms
-

1830 A box full of oranges weighs 60 kilograms. Knowing that the weight of oranges represents the 98% of gross weight, what is the tare weight?

- A) 49 kilograms
 - B) 0.5 kilograms
 - C) 2 kilograms
 - D) 1.2 kilograms
 - E) 5 kilograms
-

1831 A box full of oranges weighs 50 kilograms. Knowing that the weight of oranges represents the 96% of gross weight, what is the tare weight?

- A) 1 kilograms
 - B) 2 kilograms
 - C) 4 kilograms
 - D) 48 kilograms
 - E) 10 kilograms
-

1832 A box full of oranges weighs 50 kilograms. Knowing that the weight of oranges represents the 95% of gross weight, what is the tare weight?

- A) 2.5 kilograms
 - B) 1.25 kilograms
 - C) 5 kilograms
 - D) 47.5 kilograms
 - E) 12.5 kilograms
-

1833 A can full of soda weighs 300 grams. Knowing that the can is 2% of the gross weight, what is the weight of the drink?

- A) 288 grams
 - B) 6 grams
 - C) 282 grams
 - D) 297 grams
 - E) 294 grams
-

1834 A can full of soda weighs 300 grams. Knowing that the can is 4% of the gross weight, what is the weight of the drink?

- A) 288 grams
 - B) 12 grams
 - C) 264 grams
 - D) 276 grams
 - E) 294 grams
-

1835 A can full of soda weighs 400 grams. Knowing that the can is 4% of the gross weight, what is the weight of the drink?

- A) 16 grams
 - B) 384 grams
 - C) 352 grams
 - D) 368 grams
 - E) 392 grams
-

1836 A can full of soda weighs 500 grams. Knowing that the can is 2% of the gross weight, what is the weight of the drink?

- A) 495 grams
 - B) 490 grams
 - C) 470 grams
 - D) 480 grams
 - E) 10 grams
-

1837 A can full of soda weighs 500 grams. Knowing that the can is 4% of the gross weight, what is the weight of the drink?

- A) 490 grams
 - B) 480 grams
 - C) 440 grams
 - D) 460 grams
 - E) 20 grams
-

1838 A can full of soda weighs 600 grams. Knowing that the can is 4% of the gross weight, what is the weight of the drink?

- A) 576 grams
 - B) 24 grams
 - C) 528 grams
 - D) 552 grams
 - E) 588 grams
-

1839 A can full of soda weighs 700 grams. Knowing that the can is 4% of the gross weight, what is the weight of the drink?

- A) 644 grams
 - B) 28 grams
 - C) 672 grams
 - D) 616 grams
 - E) 686 grams
-

1840 A can full of soda weighs 800 grams. Knowing that the can is 2% of the gross weight, what is the weight of the drink?

- A) 784 grams
 - B) 16 grams
 - C) 752 grams
 - D) 768 grams
 - E) 792 grams
-

1841 A can full of soda weighs 800 grams. Knowing that the can is 4% of the gross weight, what is the weight of the drink?

- A) 736 grams
 - B) 32 grams
 - C) 704 grams
 - D) 768 grams
 - E) 784 grams
-

1842 A can full of soda weighs 900 grams. Knowing that the can is 2% of the gross weight, what is the weight of the drink?

- A) 891 grams
 - B) 18 grams
 - C) 882 grams
 - D) 864 grams
 - E) 846 grams
-

1843 Remigio, Rachel and Rafael buy all together 8 kg of sweets, spending respectively 16 euros, 24 euros, 40 euros. If the distribution of the candies is made according to the amount paid, how many sweets will Remigio receive?

- A) 2.4 kilograms
 - B) 1.6 kilograms
 - C) 4 kilograms
 - D) 0.8 kilograms
 - E) 3.2 kilograms
-

1844 Remigio, Rachel and Rafael buy all together 8 kg of sweets, spending respectively 16 euros, 24 euros, 40 euros. If the distribution of the candies is made according to the amount paid, how many sweets will Rafael receive?

- A) 6 kilograms
- B) 2.4 kilograms
- C) 1.6 kilograms
- D) 2 kilograms
- E) 4 kilograms

1845 In a museum there are only paintings, sculptures and mosaics. Assuming that the number of paintings : the number of sculptures = 3 : 4, and also, the number of mosaics : the number of paintings = 5 : 3, and knowing that in the museum there are 48 sculptures, which is the total number of artworks in the museum?

- A) 192
- B) 172
- C) 164
- D) 120
- E) 144

1846 In a museum there are only paintings, sculptures and mosaics. Assuming that the number of paintings : the number of sculptures = 2 : 3, and also, the number of mosaics : the number of paintings = 5 : 2, and knowing that in the museum there are 48 sculptures, which is the total number of artworks in the museum?

- A) 200
- B) 160
- C) 220
- D) 138
- E) 240

1847 In a museum there are only paintings, sculptures and mosaics. Assuming that the number of paintings : the number of sculptures = 2 : 3, and also the number of mosaics : the number of paintings = 5 : 2, and knowing that in the museum there are 84 sculptures, which is the total number of artworks in the museum?

- A) 420
- B) 280
- C) 360
- D) 238
- E) 350

1848 In a museum there are only paintings, sculptures and mosaics. Assuming that the number of paintings : the number of sculptures = 2 : 3, and also the number of mosaics : the number of paintings = 5 : 2, and knowing that in the museum there are 108 sculptures, which is the total number of artworks in the museum?

- A) 450
- B) 360
- C) 480
- D) 306
- E) 540

1849 In a museum there are only paintings, sculptures and mosaics. Assuming that the number of paintings : the number of sculptures = 2 : 3, and also the number of mosaics : the number of paintings = 5 : 2, and knowing that in the museum there are 120 sculptures, which is the total number of artworks in the museum?

- A) 500
- B) 600
- C) 520
- D) 400
- E) 340

-
- 1850** What is the sum which yields a profit of 500 euros, if it has been invested for 2 months with an annual interest rate of 5%?
- A) 30,000 euros
 - B) 60,000 euros
 - C) 5,000 euros
 - D) 15,000 euros
 - E) 25,000 euros
-
- 1851** What is the sum which yields a profit of 600 euros, if it has been invested for 2 months with an annual interest rate of 6%?
- A) 36,000 euros
 - B) 43,200 euros
 - C) 7,200 euros
 - D) 21,600 euros
 - E) 60,000 euros
-
- 1852** What is the sum which yields a profit of 400 euros, if it has been invested for 2 months with an annual interest rate of 4%?
- A) 19,200 euros
 - B) 9,600 euros
 - C) 3,200 euros
 - D) 60,000 euros
 - E) 16,000 euros
-
- 1853** What is the sum which yields a profit of 600 euros, if it has been invested for 3 months with an annual interest rate of 6%?
- A) 36,000 euros
 - B) 28,800 euros
 - C) 10,800 euros
 - D) 40,000 euros
 - E) 14,400 euros
-
- 1854** What is the sum which yields a profit of 1,200 euros, if it has been invested for 3 months with an annual interest rate of 12%?
- A) 12,800 euros
 - B) 6,400 euros
 - C) 4,800 euros
 - D) 40,000 euros
 - E) 16,000 euros
-
- 1855** What is the sum which yields a profit of 300 euros, if it has been invested for 3 months with an annual interest rate of 3%?
- A) 25,600 euros
 - B) 51,200 euros
 - C) 19,200 euros
 - D) 40,000 euros
 - E) 64,000 euros
-

1856 What is the sum which yields a profit of 500 euros, if it has been invested for 4 months with an annual interest rate of 5%?

- A) 25,000 euros
 - B) 15,000 euros
 - C) 10,000 euros
 - D) 7,500 euros
 - E) 30,000 euros
-

1857 What is the sum which yields a profit of 800 euros, if it has been invested for 4 months with an annual interest rate of 8%?

- A) 19,200 euros
 - B) 38,400 euros
 - C) 25,800 euros
 - D) 30,000 euros
 - E) 64,000 euros
-

1858 What is the sum which yields a profit of 400 euros, if it has been invested for 5 months with an annual interest rate of 4%?

- A) 24,000 euros
 - B) 7,680 euros
 - C) 8,000 euros
 - D) 3,840 euros
 - E) 16,000 euros
-

1859 What is the sum which yields a profit of 800 euros, if it has been invested for 5 months with an annual interest rate of 8%?

- A) 30,720 euros
 - B) 64,000 euros
 - C) 32,000 euros
 - D) 15,360 euros
 - E) 24,000 euros
-

1860 What is the sum which yields a profit of 500 euros, if it has been invested for 6 months with an annual interest rate of 5%?

- A) 5,000 euros
 - B) 10,000 euros
 - C) 20,000 euros
 - D) 15,000 euros
 - E) 25,000 euros
-

1861 What is the sum which yields a profit of 600 euros, if it has been invested for 6 months with an annual interest rate of 6%?

- A) 20,000 euros
 - B) 14,400 euros
 - C) 21,600 euros
 - D) 7,200 euros
 - E) 36,000 euros
-

1862 What is the sum which yields a profit of 1,200 euros, if it has been invested for 6 months with an annual interest rate of 12%?

- A) 3,200 euros
 - B) 20,000 euros
 - C) 9,600 euros
 - D) 6,400 euros
 - E) 16,000 euros
-

1863 What is the sum which yields a profit of 960 euros, if it has been invested for 6 months with an annual interest rate of 8%?

- A) 24,000 euros
 - B) 26,500 euros
 - C) 38,400 euros
 - D) 12,800 euros
 - E) 64,000 euros
-

1864 What is the sum which yields a profit of 400 euros, if it has been invested for 8 months with an annual interest rate of 4%?

- A) 4,800 euros
 - B) 15,000 euros
 - C) 12,800 euros
 - D) 2,400 euros
 - E) 16,000 euros
-

1865 What is the sum which yields a profit of 800 euros, if it has been invested for 8 months with an annual interest rate of 8%?

- A) 15,000 euros
 - B) 19,200 euros
 - C) 51,200 euros
 - D) 9,600 euros
 - E) 64,000 euros
-

1866 What is the sum which yields a profit of 500 euros, if it has been invested for 10 months with an annual interest rate of 5%?

- A) 3,000 euros
 - B) 12,000 euros
 - C) 20,000 euros
 - D) 6,000 euros
 - E) 25,000 euros
-

1867 What is the sum which yields a profit of 600 euros, if it has been invested for 10 months with an annual interest rate of 6%?

- A) 12,000 euros
 - B) 8,640 euros
 - C) 30,000 euros
 - D) 4,320 euros
 - E) 36,000 euros
-

-
- 1868** The rules of a game are the following: if a number is divisible by 5, it is worth 4 points; if it is divisible by 8, it is worth 3 points. Based on these rules, which of the following numbers is worth more?
- A) 96
 - B) 88
 - C) 48
 - D) 56
 - E) 80
-
- 1869** The rules of a game are the following: if a number is divisible by 7, it is worth 3 points; if it is divisible by 6, it is worth 2 points. Based on these rules, which of the following numbers is worth more?
- A) 54
 - B) 30
 - C) 36
 - D) 56
 - E) 57
-
- 1870** The rules of a game are the following: if a number is divisible by 5, it is worth 5 points; if it is divisible by 3, it is worth 4 points. Based on these rules, which of the following numbers is worth more?
- A) 42
 - B) 9
 - C) 40
 - D) 18
 - E) 27
-
- 1871** Correctly complete the following number sequence: 42; 65; 96; ?; ?; 128; 106; 129
- A) 77; 99
 - B) 74; 97
 - C) 65; 75
 - D) 70; 95
 - E) 97; 74
-
- 1872** Correctly complete the following number sequence: ?; ?; 38; 63; 43; 66; 48; 69
- A) 33; 60
 - B) 35; 58
 - C) 60; 33
 - D) 58; 35
 - E) 58; 88
-
- 1873** Find, between the given alternatives, the number that correctly completes the sequence: 4; 11; 32; 95; ?
- A) 245
 - B) 194
 - C) 190
 - D) 284
 - E) 142

1874 Complete the following sequence using the English alphabet: F; 10; E; 11; D; 21; C; 32; ?; ?

- A) B; 53
 - B) E; 62
 - C) G; 65
 - D) B; 65
 - E) A; 43
-

1875 Which are the values of the two unknown variables x and y to complete the following alphanumerical sequence: E; 18; U; 24; S; 30; I; 36; x; y?

- A) x = L ; y = 46
 - B) x = J ; y = 40
 - C) x = G ; y = 30
 - D) x = B ; y = 41
 - E) x = G ; y = 42
-

1876 Correctly complete the following number sequence: 8; 15; 29; 57; 113; 225; ?

- A) 169
 - B) 449
 - C) 337
 - D) 451
 - E) 448
-

1877 Complete the following sequence using the English alphabet: E; 9; D; 10; C; 19; B; 29; ?; ?

- A) P; 60
 - B) A; 48
 - C) D; 57
 - D) Q; 60
 - E) 48; A
-

1878 The rules of a game are the following: if a number is divisible by 5, it is worth 4 points; if it is divisible by 8, it is worth 3 points. Based on these rules, which of the following numbers is worth more?

- A) 56
 - B) 888
 - C) 48
 - D) 40
 - E) 54
-

1879 The rules of a game are the following: if a number is divisible by 2, it is worth 5 points; if it is divisible by 7, it is worth 4 points. Based on these rules, which of the following numbers is worth more?

- A) 25
 - B) 777
 - C) 81
 - D) 85
 - E) 48
-

-
- 1880** The rules of a game are the following: if a number is divisible by 5, it is worth 4 points; if it is divisible by 8, it is worth 3 points. Based on these rules, which of the following numbers is worth more?
- A) 48
 - B) 96
 - C) 80
 - D) 56
 - E) 36
-
- 1881** The rules of a game are the following: if a number is divisible by 9, it is worth 3 points; if it is divisible by 6, it is worth 2 points. Based on these rules, which of the following numbers is worth more?
- A) 66
 - B) 81
 - C) 84
 - D) 42
 - E) 96
-
- 1882** The rules of a game are the following: if a number is divisible by 8, it is worth 3 points; if it is divisible by 6, it is worth 2 points. Based on these rules, which of the following numbers is worth more?
- A) 56
 - B) 66
 - C) 36
 - D) 12
 - E) 42
-
- 1883** Using the English alphabet, correctly complete the following sequence of letters: E; L; B; S; Z; P; ?; ?
- A) G; M
 - B) F; M
 - C) W; M
 - D) G; N
 - E) H; N
-
- 1884** Complete the following sequence using the English alphabet: C; 5; B; 8; A; 13; Z; 21; ?; ?
- A) B; 38
 - B) Y; 34
 - C) T; 50
 - D) Y; 31
 - E) A; 32
-
- 1885** Correctly complete the following number sequence: ?; ?; 42; 67; 47; 70; 52; 73
- A) 36; 69
 - B) 64; 36
 - C) 64; 37
 - D) 37; 64
 - E) 37; 66

1886 Complete the following sequence using the English alphabet: C; 7; B; 8; A; 15; Z; 23; ?; ?

- A) B; 47
- B) Y; 38
- C) T; 50
- D) A; 32
- E) S; 50

1887 Two dice are thrown. Consider the value obtained from the sum of the scores on the two faces. Knowing that $P(X)$ represents the probability to obtain the score X , which of the following statements is correct?

- A) $P(1) = P(6)$
- B) $P(1) = 1$
- C) $P(1) = 0$
- D) $P(1) = P(12)$
- E) $P(1) = P(2)$

1888 Complete the following sequence using the English alphabet: L; ?; N; 13; ?; 17; R; 21

- A) 10; Q
- B) M; 14
- C) Q; 7
- D) 9; P
- E) P; 15

1889 Correctly complete the following number sequence: ?; ?; 40; 67; 45; 70; 50; 73

- A) 35; 64
- B) 64; 36
- C) 36; 69
- D) 35; 66
- E) 36; 64

1890 The probability to extract a king or an heart card, from a pack of 52 cards is equal to:

- A) the sum of the probability to extract any king and the probability to extract any card of heart
- B) $4/13$
- C) the product of the probability to extract a king and the probability to extract an heart card
- D) $2/13$
- E) $3/26$

1891 Flipping a coin, which of the following series has the most probability to happen? 1) head, cross, head, cross, head, cross; 2) cross, head, head, cross, cross, head; 3) cross, cross, cross, head, head, head.

- A) There is the same probability for all of them
- B) It is not possible to established it with the given data
- C) The 1)
- D) The 2)
- E) The 3)

1892 Marina's pencil case contains 1 blue pen, 2 red pens and 3 black pens. If she takes out one at random, what is the probability that it will be a red pen?

- A) $\frac{1}{6}$
- B) $\frac{1}{2}$
- C) 1
- D) 2
- E) $\frac{1}{3}$

1893 Using the English alphabet, correctly complete the following sequence of letters: L; P; S; U; ?

- A) Z
- B) V
- C) T
- D) A
- E) X

1894 Correctly complete the following number sequence: 9, 10, 8, 11, 7, 12, ?

- A) 15
- B) 5
- C) 6
- D) 13
- E) 14

1895 Complete the following sequence using the English alphabet: O; 36; Q; 33; T; 31; V; 28; ?; ?

- A) Q; 15
- B) A; 37
- C) Y; 22
- D) Y; 26
- E) X; 25

1896 Using the English alphabet, correctly complete the following sequence of letters: F; B; Y; W; S; P; ?

- A) M
- B) O
- C) N
- D) L
- E) K

1897 Correctly complete the following number sequence: 2; 4; 6; 10; 16; 26; 42; ?; ?

- A) 68; 111
- B) 68; 94
- C) 69; 111
- D) 67; 109
- E) 68; 110

1898 Correctly complete the following number sequence: ?; 16; 33; 28; 16; 33; ?

- A) 33; 33
- B) 28; 16
- C) 28; 28
- D) 33; 28
- E) 16; 33

1899 Correctly complete the following number sequence: 7; 8; 10; 14; 22; 38; 70; ?

- A) 144
- B) 134
- C) 124
- D) 154
- E) 114

1900 Using the English alphabet, correctly complete the following sequence of letters: M; G; A; B; V; P; ?; ?

- A) J; K
- B) Q; K
- C) J; D
- D) Q; J
- E) I; K

1901 The library of doctor Margaret has 160 books, divided in subjects: 20% of biology, 30% of medicine; 35% of literature; 5% of chemistry; 10% of history. Summing what books of different subjects can you obtain 88 as result?

- A) Biology and literature books
- B) Biology and chemistry books
- C) Medicine and literature books
- D) Literature and chemistry books
- E) Biology and history books

1902 The library of doctor Emilio has 160 books, divided in subjects: 20% of biology, 30% of medicine; 35% of literature; 5% of chemistry; 10% of history. Summing what books of different subjects can you obtain 104 as result?

- A) Medicine and literature books
- B) Medicine and chemistry books
- C) Literature and history books
- D) Chemistry and literature books
- E) Medicine and history books

1903 The library of doctor Giorgia has 160 books, divided in subjects: 20% of biology, 30% of medicine; 35% of literature; 5% of chemistry; 10% of history. Summing what books of different subjects can you obtain 24 as result?

- A) Biology and history books
- B) Chemistry and biology books
- C) Chemistry and history books
- D) History and medicine books
- E) Chemistry and medicine books

1904 The library of doctor Giancarla has 180 books, divided in subjects: 20% of biology, 30% of medicine; 35% of literature; 5% of chemistry; 10% of history. Summing what books of different subjects can you obtain 27 as result?

- A) Chemistry and medicine books
- B) Chemistry and history books
- C) History and medicine books
- D) Biology and history books
- E) Chemistry and biology books

-
- 1905** The tank of a jet printer ink is completely full. After printing the thesis of a student, it is full for $\frac{3}{5}$. Printing a composition of another student, 20 cc have been consumed, leaving the tank full for $\frac{2}{5}$. Which is the total capacity of the tank?
- A) 80 cc
 - B) 60 cc
 - C) 100 cc
 - D) 120 cc
 - E) 50 cc
-
- 1906** The library of doctor Mariella has 160 books, divided in subjects: 20% of biology, 30% of medicine; 35% of literature; 5% of chemistry; 10 % of history. Summing what books of different subjects, can you obtain 48 as result?
- A) Literature and history books
 - B) Biology and literature books
 - C) Medicine and history books
 - D) Biology and history books
 - E) Biology and chemistry books
-
- 1907** Complete the following sequence using the English alphabet: A; 3; C; 7; E; ?; ?; 15
- A) 13; F
 - B) 11; G
 - C) 11; F
 - D) 12; H
 - E) 4; G
-
- 1908** Complete the following sequence using the English alphabet: ?; P; 5; R; 9; ?; 13; V
- A) 1; T
 - B) 4; S
 - C) 2; Q
 - D) T; 3
 - E) W; 11
-
- 1909** Three sailors peel a potato sack, respectively, in 4, 6 and 12 hours. How many hours do they take to peel together 32 potato sacks?
- A) 64
 - B) It is not possible to answer with the given data
 - C) 22
 - D) 12
 - E) 128
-
- 1910** A box full of oranges weighs 40 kilograms. Knowing that the weight of oranges represents the 97% of gross weight, what is the tare weight?
- A) 1.2 kilograms
 - B) 0.6 kilograms
 - C) 2.4 kilograms
 - D) 38.8 kilograms
 - E) 6 kilograms
-

1911 Attempting to earn some extra money to go on holiday, 4 friends have done different jobs for their neighbors. Before starting, they agreed that all the money earned would be shared equally between them. We know that: Marusca earned 28 euro; Natalino earned 24 euro; Selina earned 30 euro; Aimone, amazing everyone else, earned 62 euro and so he owes money to other friends. How much money should receive Natalino by Aimone?

- A) 38 euros
- B) 8 euros
- C) 26 euros
- D) 6 euros
- E) 12 euros

1912 What is the sum which yields a profit of 600 euros, if it has been used for 4 months with an annual interest rate of 6%?

- A) 21,600 euros
- B) 30,000 euros
- C) 14,400 euros
- D) 10,800 euros
- E) 36,000 euros

1913 Flavia invests 70,000 euros in a fund that guarantees an annual profit of 80% for 2 years. How much is the increase of the value registered by her participation only during the last year?

- A) The same amount of the first year
- B) 100,800 euros
- C) 56,000 euros
- D) 112,000 euros
- E) 28,000 euros

1914 A geographical map is scaled 1 : 100,000. At what distance are represented two places that in reality are 5 kilometres away?

- A) 2 cm
- B) 2 mm
- C) 5 mm
- D) 5 cm
- E) 20 cm

1915 What is the probability to extract, from a pack of 52 cards, one that is NOT a diamond card?

- A) 25%
- B) 75%
- C) 80%
- D) 90%
- E) 70%

1916 Little Matteo is playing with a certain number of colored wood blocks, all of the same size. Putting close and overlapping them, he builds, with all blocks, three cubes whose edges differ by a block. Using all the blocks, Matteo can build a unique cube. With how many block are playing Matteo?

- A) 512
- B) 343
- C) 729
- D) 216
- E) 125

- 1917 A shoe box, totally full, contains 3 kg of ground. If I have to build a box that contains 6 kg of the same ground, I must:**
- A) double all three dimensions of the corners of the box
 - B) double the dimensions of two corners of the box base
 - C) double the dimension of only one corner of the box
 - D) increase of one and a half the measures of all corners of the box
 - E) do not do anything of the other previous actions
- 1918 Antimina must share a production bonus of 500 euros between her four employees. She plans to assign half to Leonella, a quarter to Santa, one fifth to Morgana and one tenth to Oliver. In this way:**
- A) she would run out the bonus dividing it among the four employees
 - B) 37.50 euros would be unshared
 - C) she would exceeded the total bonus of 25 euros
 - D) 75 euros would be unshared
 - E) she would exceeded the total bonus of 37.50 euros
- 1919 A number of streetlights must be placed along the sides of a rectangular courtyard whose sides are 44 meters and 76 meters, all at the same and greatest distance, so that each corner of the courtyard has a streetlight. At what distance should the streetlights be placed from each other?**
- A) 1 meter
 - B) 8 meters
 - C) 2 meters
 - D) 4 meters
 - E) 9 meters
- 1920 The tiler Flavioalberto paves a room with X rectangular tiles sized 3 x 4 cm, which cost 1.50 euros per piece. The tiler Sandoval paves a room with the same area, but his tiles are 3.5 x 5.5 cm; each tile costs 2.60 euros. Which covering is cheaper?**
- A) The covering used by Sandoval, which costs less than half as much as Flavioalberto's covering
 - B) The covering used by Flavioalberto
 - C) This cannot be determined unless we know the area of the two rooms
 - D) The covering used by Flavioalberto, which costs less than half as much as Sandoval's covering
 - E) The covering used by Sandoval
- 1921 The tiler Ardenio paves a room with X rectangular tiles sized 8 x 3 cm, which cost 1 euro per piece. The tiler Gaudenzio paves a room with the same area, but his tiles are 2.5 x 11.5 cm; each tile costs 1.10 euros. Which covering is cheaper?**
- A) The covering used by Gaudenzio, which costs less than half as much as Ardenio's covering
 - B) The covering used by Ardenio
 - C) The covering used by Gaudenzio
 - D) The covering used by Ardenio, which costs less than half as much as Gaudenzio's covering
 - E) This cannot be determined unless we know the area of the two rooms
- 1922 The tiler Angelino paves a room with X rectangular tiles sized 4 x 7 cm, which cost 2 euros per piece. The tiler Aureliano paves a room with the same area, but his tiles are 6.5 x 7.5 cm; each tile costs 1.10 euros. Which covering is cheaper?**
- A) The covering used by Angelino, which costs less than half as much as Aureliano's covering
 - B) The covering used by Angelino
 - C) The covering used by Aureliano
 - D) The covering used by Aureliano, which costs less than half as much as Angelino's covering
 - E) This cannot be determined unless we know the area of the two rooms

- 1923** 500 seats in a Parliament are divided among 7 political parties. There aren't two parties with the same number of seats and each party has at least 20 seats. Which is the lowest number of seats that the fourth bigger party can have?
- A) 111
 - B) 110
 - C) 109
 - D) 23
 - E) 108
-
- 1924** A shareholding, which starting value was 25,000 euros, has yielded the 50% during the first year, the 20% during the second year and the 10% during the third year. Which is the final value of the shareholding?
- A) 24,500 euros
 - B) 49,500 euros
 - C) 47,250 euros
 - D) 54,000 euros
 - E) 45,000 euros
-
- 1925** A shareholding, which starting value was 75,000 euros, has yielded the 50% during the first year, the 20% during the second year and the 10% during the third year. Which is the final value of the shareholding?
- A) 162,000 euros
 - B) 135,000 euros
 - C) 141,750 euros
 - D) 73,500 euros
 - E) 148,500 euros
-
- 1926** A shareholding, which starting value was 95,000 euros, has yielded the 20% during the first year, the 10% during the second year and the 50% during the third year. Which is the final value of the block?
- A) 93,100 euros
 - B) 171,000 euros
 - C) 156,750 euros
 - D) 250,800 euros
 - E) 188,100 euros
-
- 1927** The price of a product is reduced by 84% during a promotion. To sell the same product at the starting price, it is necessary to increase the promotional price by:
- A) 525%
 - B) it cannot be determined without knowing the price of the product
 - C) 84%
 - D) 168%
 - E) 83%
-
- 1928** A segment of 63 cm is divided in two parts which are proportional to the numbers 3 and 4. What is the size of the longest part?
- A) 47.25 cm
 - B) 27 cm
 - C) 36 cm
 - D) 33 cm
 - E) 39 cm

1929 A segment of 56 cm is divided in two parts which are proportional to the numbers 3 and 5. What is the size of the longest part?

- A) 21 cm
- B) 33.6 cm
- C) 35 cm
- D) 32 cm
- E) 38 cm

1930 A segment of 84 cm is divided in two parts which are proportional to the numbers 2 and 5. What is the size of the longest part?

- A) 43 cm
- B) 24 cm
- C) 60 cm
- D) 50 cm
- E) 47 cm

1931 Coronel is trying to sell, without success, his old car on the second-hand market at 4,000 euros. Finding no buyers, each month he offers an additional discount of 20%. What will be the selling price of the car after 2 months?

- A) 2,880 euros
- B) 2,560 euros
- C) 2,400 euros
- D) 1,920 euros
- E) 2,048 euros

1932 Mafalda is trying to sell, without success, her old car on the second-hand market at 10,000 euros. Finding no buyers, each month she offers an additional discount of 20%. What will be the selling price of the car after 2 months?

- A) 4,800 euros
- B) 6,000 euros
- C) 6,400 euros
- D) 7,200 euros
- E) 5,120 euros

1933 Manlio is trying to sell, without success, his old car on the second-hand market at 4,000 euros. Finding no buyers, each month he offers an additional discount of 40%. What will be the selling price of the car after 2 months?

- A) 864 euros
- B) 800 euros
- C) 1,440 euros
- D) 480 euros
- E) 1,920 euros

1934 Mariateresa is trying to sell, without success, her old car on the second-hand market at 5,000 euros. Finding no buyers, each month she offers an additional discount of 50%. What will be the selling price of the car after 2 months?

- A) 500 euros
- B) 1,250 euros
- C) 1,875 euros
- D) 600 euros
- E) 625 euros

-
- 1935** Marialaura is trying to sell, without success, her old car on the second-hand market at 4,000 euros. Finding no buyers, each month she offers an additional discount of 10%. What will be the selling price of the car after 3 months?
- A) 2,800 euros
 - B) 1,944 euros
 - C) 2,916 euros
 - D) 2,592 euros
 - E) 3,240 euros
-
- 1936** Massimina is trying to sell, without success, her old car on the second-hand market at 9,000 euros. Finding no buyers, each month she offers an additional discount of 10%. What will be the selling price of the car after 3 months?
- A) 5,832 euros
 - B) 6,300 euros
 - C) 4,374 euros
 - D) 6,561 euros
 - E) 7,290 euros
-
- 1937** Moreno is trying to sell, without success, his old car on the second-hand market at 10,000 euros. Finding no buyers, each month he offers an additional discount of 50%. What will be the selling price of the car after 3 months?
- A) 500 euros
 - B) 1,250 euros
 - C) 1,875 euros
 - D) 2,500 euros
 - E) 625 euros
-
- 1938** Marcela is trying to sell, without success, her old car on the second-hand market at 15,000 euros. Finding no buyers, each month she offers an additional discount of 40%. What will be the selling price of the car after 4 months?
- A) 972 euros
 - B) 1,944 euros
 - C) 8,027 euros
 - D) 648 euros
 - E) 3,240 euros
-
- 1939** Analyzing the wage of the famous baseball champion Santi Mazza during three years, there was an increase increased from 600,000 euros, in Year 1, to 960,000 euros, in Year 2. In Year 3 his contract is supposed to increase by 15% than the previous year. What is the percent increase of his wage between the Year 1 and Year 3?
- A) 75%
 - B) 126%
 - C) 30%
 - D) 184%
 - E) 84%

1940 Analyzing the wage of the famous baseball champion Gianriccardo Mazza during three years, There is an increase it's evident that it increased from 700,000 euros, in Year 1, to 840,000 euros, in Year 2. In Year 3 his contract is supposed to increase by 25% than the previous year. What is the percent increase of his wage between the Year 1 and Year 3?

- A) 75%
- B) 45%
- C) 50%
- D) 150%
- E) 60%

1941 $2 + 1 = 13$; $4 + 2 = 26$; $6 + 3 = 39$; $8 + 4 = 412$; $6 + 1 = ?$

- A) 27
- B) 75
- C) 16
- D) 77
- E) 57

1942 Ottavia invests 20,000 euros for 9 months at the annual rate of 5%, so the interest she gets is:

- A) 333 euros
- B) 1,000 euros
- C) 750 euros
- D) 75 euros
- E) 500 euros

1943 Attempting to earn some extra money to go on holiday, 4 friends have done different jobs for their neighbors. Before starting, they agreed that all the money earned would be shared equally between them. We know that: Djamel earned 54 euros; Zaccheo earned 37 euros; Patrick earned 56 euros; Esther surprised all earning 101 euros and so she owes money to other friends. How much money should receive Zaccheo by Esther?

- A) 8 euros
- B) 64 euros
- C) 39 euros
- D) 25 euros
- E) 6 euros

1944 A box full of oranges weighs 70 kilograms. Knowing that the weight of oranges represents the 98% of gross weight, what is the tare weight?

- A) 1.4 kilograms
- B) 0.7 kilograms
- C) 2.8 kilograms
- D) 68.6 kilograms
- E) 7 kilograms

1945 A can full of soda weighs 800 grams. Knowing that the can is 5% of the gross weight, which is the weight of the drink?

- A) 780 grams
- B) 40 grams
- C) 680 grams
- D) 760 grams
- E) 720 grams

1946 What is the sum which yields a profit of 500 euros, if it has been used for 8 months with an annual interest rate of 5%?

- A) 7,500 euros
 - B) 15,000 euros
 - C) 20,000 euros
 - D) 3,750 euros
 - E) 25,000 euros
-

1947 Fermo invests 40,000 euros in a fund that guarantees an annual profit of 50% for 2 years. How much is the increase of the value registered by his participation only during the last year?

- A) 20,000 euros
 - B) The same amount of the first year
 - C) 30,000 euros
 - D) 40,000 euros
 - E) 10,000 euros
-

1948 Brunina invests 12,000 euros for 2 months at the annual rate of 10%, so the interest she gets is:

- A) 300 euros
 - B) 200 euros
 - C) 600 euros
 - D) 20 euros
 - E) 250 euros
-

1949 Pamela invests 20,000 euros for 3 months at the annual rate of 12%, so the interest she gets is:

- A) 800 euros
 - B) 1,000 euros
 - C) 600 euros
 - D) 50 euros
 - E) 333 euros
-

1950 The rules of a game are the following: if a number is divisible by 5, it is worth 4 points; if it is divisible by 8, it is worth 3 points. Based on these rules, which of the following numbers worths more?

- A) 40
 - B) 22
 - C) 48
 - D) 56
 - E) 888
-

1951 The rules of a game are the following: if a number is divisible by 2, it is worth 5 points; if it is divisible by 7, it is worth 4 points. Based on these rules, which of the following numbers worths more?

- A) 81
 - B) 83
 - C) 777
 - D) 85
 - E) 48
-

1952 The rules of a game are the following: if a number is divisible by 9, it is worth 3 points; if it is divisible by 6, it is worth 2 points. Based on these rules, which of the following numbers worths more?

- A) 30
- B) 24
- C) 63
- D) 12
- E) 66

1953 Complete the following sequence using the English alphabet: A; 5; Z; 6; Y; 11; X; 17; ?; ?

- A) 28; W
- B) W; 28
- C) Q; 40
- D) R; 40
- E) Z; 37

1954 The rules of a game are the following: if a number is divisible by 6, it is worth 8 points; if it is divisible by 8, it is worth 4 points. Based on these rules, which of the following numbers worths more?

- A) 30
- B) 64
- C) 40
- D) 56
- E) 80

1955 If TAP identify a (single) number divisible by 3, TUP identify a (single) number divisible by 2 and TOP identify a (single) number divisible by 5, then how can be written the number 95?

- A) TOP TUP
- B) TUP TOP
- C) TAP TOP
- D) TUP TAP
- E) TAP TAP

1956 Two hours ago the time passed from 1 p.m. would be the same time to 1 a.m. What is the time now?

- A) 7 pm
- B) 11 pm
- C) 9 pm
- D) 4 pm
- E) 5 pm

1957 Which, among the terms given, correctly completes the following proportion? $396457 : 174235 = X : Y$

- A) $X = 224567$; $Y = 113456$
- B) $X = 458693$; $Y = 236471$
- C) $X = 235476$; $Y = 457698$
- D) $X = 856873$; $Y = 734651$
- E) $X = 564372$; $Y = 654238$

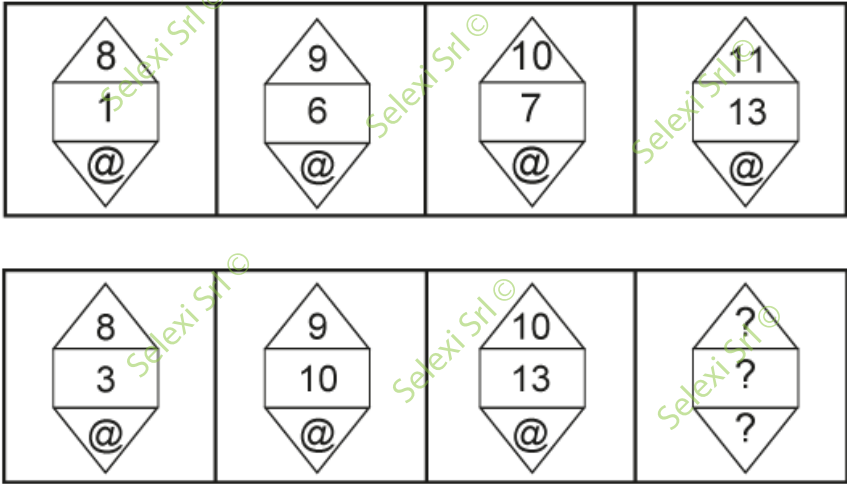
1958 In a primary school attended by 250 children there are two afternoon courses. 200 children attend the Spanish course, 199 attend the swimming course and 33 attend no course. How many children are attending both courses?

A) 217
B) 182
C) 17
D) 18
E) It cannot be calculated beacuse the data provided are not enough

1959 500 seats in the Parliament are divided among 10 political parties. Tere aren't two parties with the same number of seats and each party has at least 20 seats. Which is the lowest number of seats that the fifth bigger party can have?

A) 24
B) 80
C) 81
D) 78
E) 76

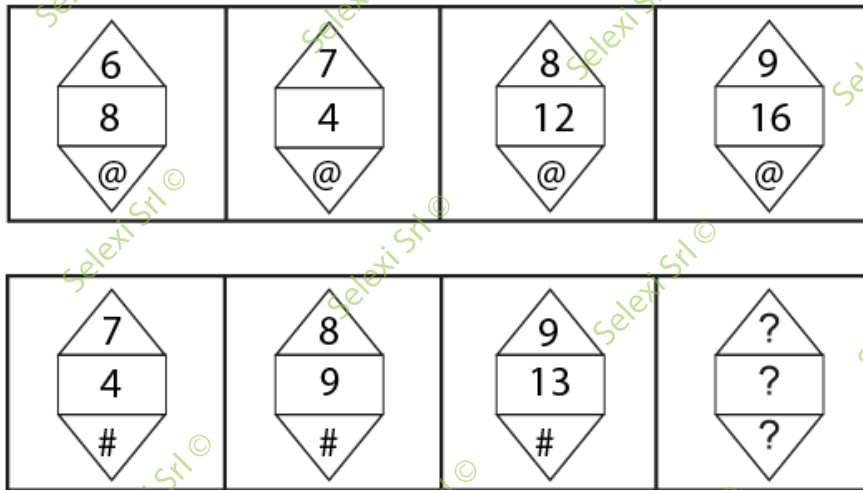
IMAGE SP 62



1960 Answer the following question concerning IMAGE SP 62

Find the figure that completes the series.

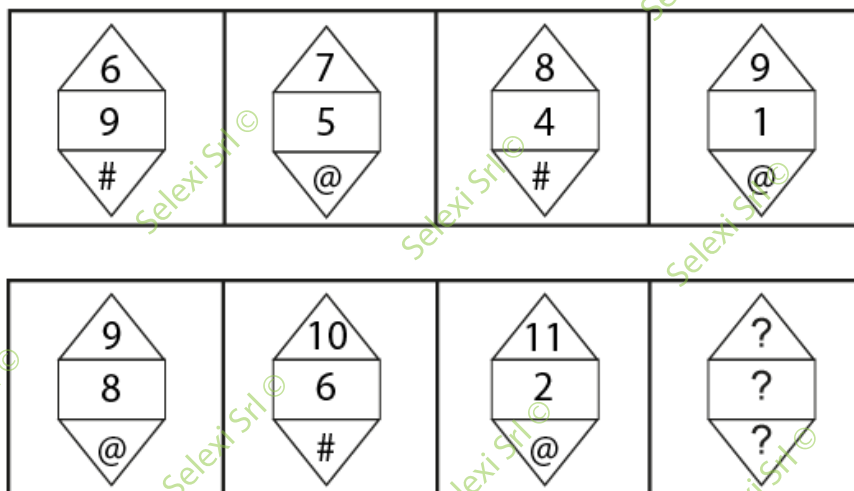
A) 23; 11; @
B) 7; 19; #
C) 9; 20; #
D) 11; 23; @
E) 11; 22; @

IMAGE SP 63

1961 Answer the following question concerning IMAGE SP 63

Find the figure that completes the series.

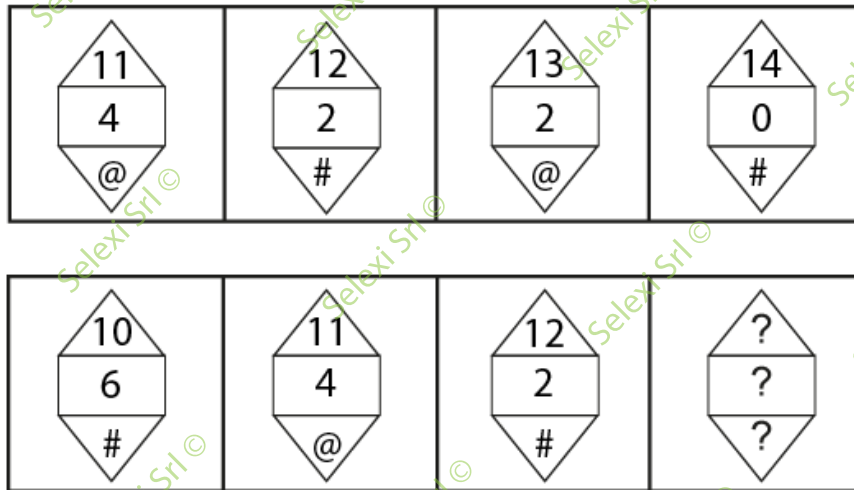
- A) 9; 21; @
- B) 10; 22; #
- C) 11; 22; #
- D) 7; 19; @
- E) 22; 10; #

IMAGE SP 65

1962 Answer the following question concerning IMAGE SP 65

Find the figure that completes the series.

- A) 9; 11; @
- B) 12; 4; #
- C) 3; 11; #
- D) 10; 6; #
- E) 12; 8; @

IMAGE SP 66

1963 Answer the following question concerning IMAGE SP 66

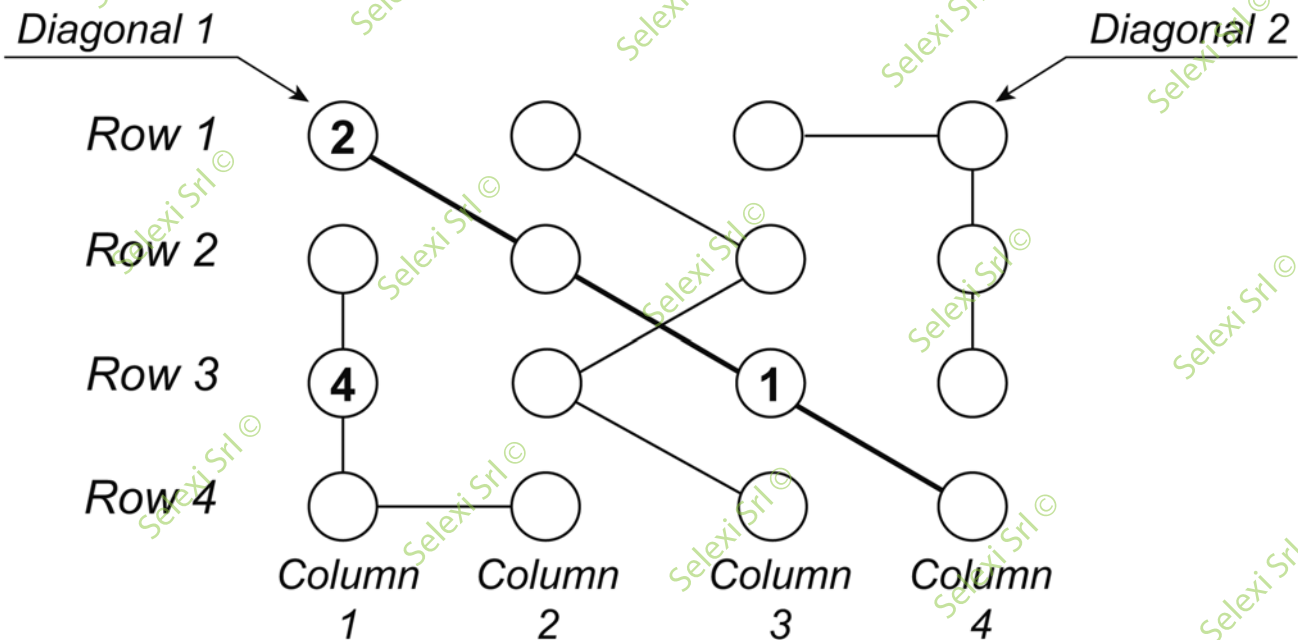
Find the figure that completes the series.

- A) 12; 9; #
- B) 7; 13; @
- C) 10; 4; #
- D) 3; 11; @
- E) 13; 2; @

IMAGE SX 71

The 4 x 4 grid only contains numbers from 1 to 4. In order for it to be filled with the missing numbers you need to follow three simple rules:

- 1) Each row must contain different numbers;
 - 2) Each column must contain different numbers;
 - 3) each "flow" connected by segments must contain different numbers.
- The diagonals instead do not have to necessarily comply with the above rules.



1964 Answer the following question concerning IMAGE SX 71

Identify the alternative that is the correct sequence of numbers of Column 2, shown from the top down.

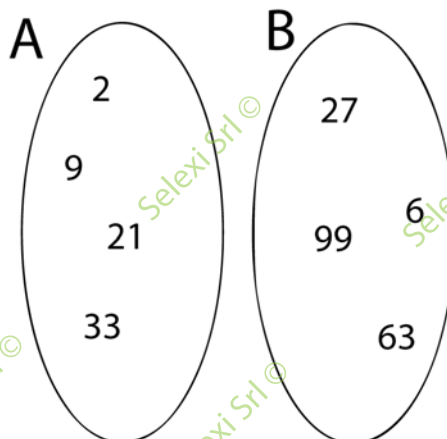
- A) 1-3-4-2
- B) 4-2-3-1
- C) 2-3-4-1
- D) 3-4-2-1
- E) 1-4-3-2

1965 Answer the following question concerning IMAGE SX 71

Identify the alternative that is the correct sequence of numbers of Column 1, shown from the top down.

- A) 2-1-3-4
- B) 2-1-4-3
- C) 2-3-4-1
- D) 1-4-3-2
- E) 2-4-1-3

IMAGE SX 75

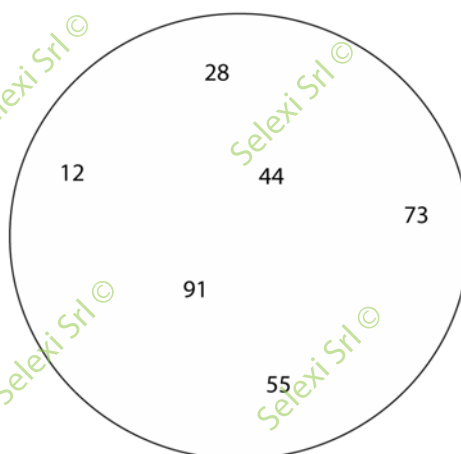


1966 Answer the following question concerning IMAGE SX 75

Which of the following relations links the numbers of the two groups?

- A) The numbers of one group are one-third than the numerical value of the numbers in the other group
- B) The numbers of one group are the double than the numbers in the other group
- C) The numbers of one group are the root of the numbers in the other group
- D) The numbers of one group are the raisement of the numbers in the other group
- E) The numbers of one group are the cubical root of the numbers in the other group

IMAGE SX 76



1967 Answer the following question concerning IMAGE SX 76

Which of the numbers contained in the picture must be deleted?

- A) 28 and 73
- B) 12 and 73
- C) 44 and 55
- D) 91 and 28
- E) 12 and 44

IMAGE SX 88

$$\triangle_1 + \triangle_2 - \triangle_3 = 1$$

$$\triangle_1 \times \triangle_2 \times \triangle_3 = 84$$

$$\triangle_1 + \triangle_2 + \triangle_3 = ?$$

1968 Answer the following question concerning IMAGE SX 88

What number logically completes the schema?

- A) 14
- B) 12
- C) 15
- D) 19
- E) 20

1969 Answer the following question concerning IMAGE SX 99

What value can A and B assume, knowing that two bordering countries (excluding the ones that are already defined) can never contain numbers whose difference is equal or greater than 25?

- A) None of the indicated couples of values is correct
- B) A = 68, B = 93
- C) A = 68, B = 81
- D) A = 69, B = 84
- E) A = 67, B = 85

IMAGE TZ 18

Z

1/2	+	?	−	1	?	1/4	=	0
-----	---	---	---	---	---	-----	---	---

1/2	A	−
0	B	:
5/4	C	+
3/4	D	−
3/2	E	x
2	F	:
1	G	x

X

Y

- 1970 Answer the following question concerning IMAGE TZ 18
- On which row must Z be placed in order for its intersection with X and Y to provide the given result?
- A) A or E

B) B or C

C) D

D) F

E) D or E

IMAGE TZ 19

Z

−1	+	?	+	1/2	?	0	=	0
----	---	---	---	-----	---	---	---	---

1/3	A	:
0,5	B	x
2	C	:
1	D	x
1,5	E	+
2	F	x
1/3	G	x

X

Y

- 1971 Answer the following question concerning IMAGE TZ 19
- On which row must Z be placed in order for its intersection with X and Y to provide the given result?
- A) Row A

B) Row D

C) Row B

D) Row E

E) Row C

IMAGE TZ 22

Z	3	6	?	24	48	?
---	---	---	---	----	----	---

	9	A	73
	12	B	96
	18	C	136
	11	D	115
	36	E	72

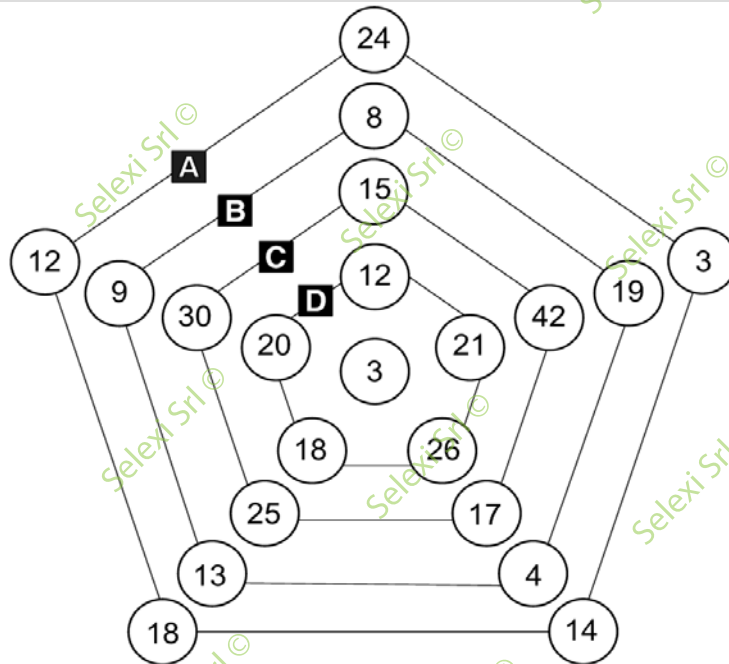
X	Y
---	---

1972 Answer the following question concerning IMAGE TZ 22

On which line must Z be placed, in X and Y, in order for the sequence to be correct?

- A) D
B) C
C) E
D) A
E) B

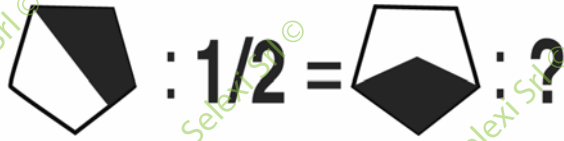
IMAGE TZ 24



1973 Answer the following question concerning IMAGE TZ 24

Which pentagon must be rotated in order for each radius to be made up of numbers that, added together, give the same sum?

- A) Pentagon B, clockwise, by one position
B) Pentagon D, clockwise, by two positions
C) Pentagon C, anticlockwise, by one position
D) Pentagon A, clockwise, by two positions
E) Pentagon B, anticlockwise, by one position

IMAGE TZ 26

1974 Answer the following question concerning IMAGE TZ 26

Considering the black section, complete the figural proportion:

- A) $3/4$
- B) $1/2$
- C) $1/6$
- D) $3/5$
- E) $2/5$

IMAGE TZ 29

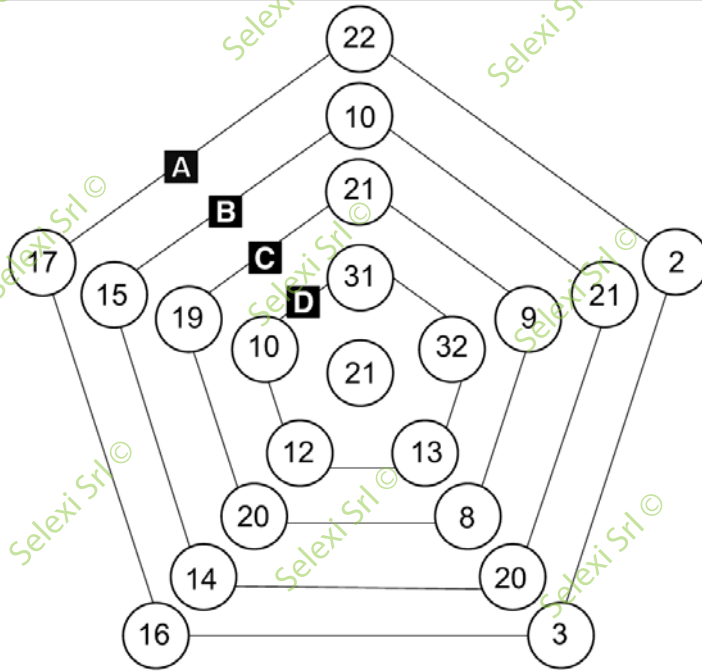
A	13	b	14
a	8	B	15
9	24	20	6
17	14	4	24

1975 Answer the following question concerning IMAGE TZ 29

In the given table the sum of all the numbers in every single row and in every single line add up to the same number and must be $A = 2a$, $B = 5n$ and $b = 2n$. What are the values of A, a, B and b, respectively?

- A) 11, 5, 10 and 2
- B) 12, 6, 20 and 8
- C) 23, 10, 26 and 9
- D) 22, 11, 25 and 10
- E) 10, 5, 15 and 6

IMAGE TZ 31



1976 Answer the following question concerning IMAGE TZ 31

Which pentagon must be rotated in order for each radius to be made up of numbers that, added together, give the same sum?

- A) Pentagon D, anticlockwise, by one position
B) Pentagon A, clockwise, by three positions
C) Pentagon C, anticlockwise, by two positions
D) Pentagon B, clockwise, by one position
E) Pentagon D, clockwise, by one position

IMAGE TZ 40

The figure represents a grid of 5x5 dowels identified by a coordinate system and an expression that must be resolved by identifying the dowels to be inserted in place of the question marks based on the coordinates in question.

?	?	?	?	?	=	5
x	y	z	w	r		
4	+	10	+	7		
9	x	1	-	13		
5	.	11	x	8		
1/2	-	9	:	3		

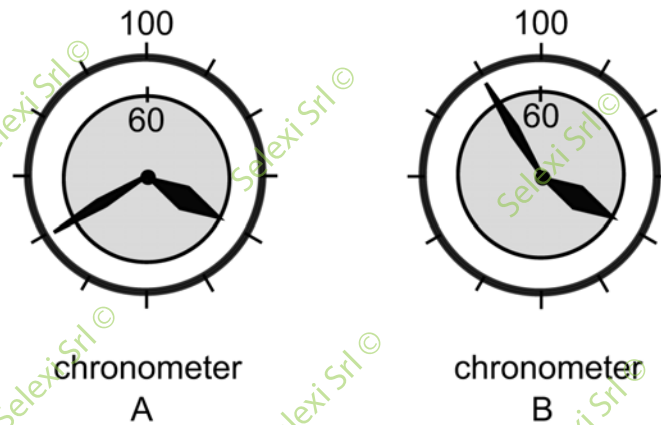
1977 Answer the following question concerning IMAGE TZ 40

Carrying out the calculations in the order of presentation, indicate which sequence of dowels satisfies the reported expression.

- A) x4; y3; z2; w4; r3
B) x1; y3; z4; w2; r1
C) x2; y4; z3; w1; r2
D) x3; y1; z1; w4; r4
E) x4; y2; z1; w2; r1

IMAGE TZ 98

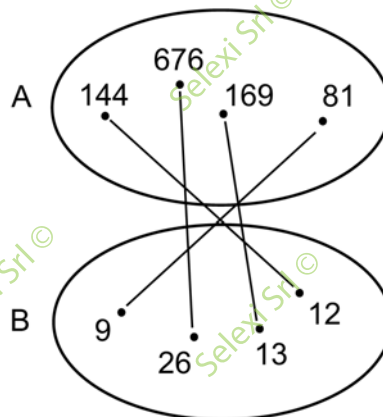
In the analog chronometers shown in the figure, the short hand indicates the seconds and the long hand indicates hundredths of seconds. In a speed competition, athletes A and B finished in the times marked by chronometers A and B, respectively.



1978 Answer the following question concerning IMAGE TZ 98

What is the difference in seconds between the two athletes?

- A) Approximately 0.25 sec
- B) Approximately 0.15 sec
- C) Approximately 0.30 sec
- D) Approximately 0.1 sec
- E) Approximately 0.45 sec

IMAGE TN 00

1979 Answer the following question concerning IMAGE TN 00

The relation that links the elements that belong to set A with those that belong to set B is:

- A) element belonging to B = element belonging to A divided by 9
- B) element belonging to B = square of element belonging to A
- C) element belonging to B = square root of element belonging to A
- D) element belonging to B = element belonging to A minus 72
- E) element belonging to B = cube root of element belonging to A

IMAGE TN 15

$$[3 + \square \cdot (\square - \square) + \square] / \square =$$

Sequence A	6, 3, 2, 1, 2
Sequence B	2, 6, 3, 3, 2
Sequence C	2, 6, 3, 3, 1
Sequence D	2, 8, 3, 5, 9
Sequence E	2, 4, 2, 1, 2

1980 Answer the following question concerning IMAGE TN 15

Which of the given number sequences must be placed into the expression (one digit in each square) in order for the result to be 6?

- A) Sequence C
- B) Sequence E
- C) Sequence D
- D) Sequence A
- E) Sequence B

IMAGE TN 61

©	♥	♀	♣	♪	@	♦	€	♠	ð
1	2	3	4	5	6	7	8	9	0

1981 Answer the following question concerning IMAGE TN 61

Replace the symbols with the corresponding digits and determine which of the following operations returns 0 as a result.

- A) $(€ \cdot ♣) + (© + @) - ♀ \diamond =$
- B) $© + (© + ♠) \cdot ♥ - (©♥ + €) =$
- C) $(♠ \cdot €) - (♦ \cdot ©ð) - ♥ =$
- D) $(♦ - @) + (♠ + ♀) : € - ♥ =$
- E) $(♠ : ♀) \cdot (♥♠ : @) - ♪ - @ =$

1982 Answer the following question concerning IMAGE TN 61

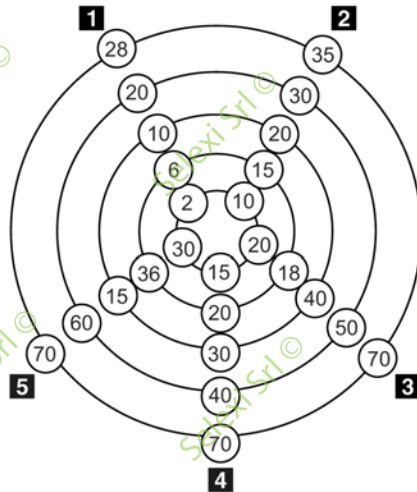
Replace the symbols with the corresponding digits and determine which of the following operations returns 42 as a result.

- A) ♠ + ♢ + ♥ + © + ♀ + ♦ + ♪
- B) ©♢ : (♀ + ♥) · (♦ · @) : ♥
- C) ♠ + (♢ + ♥♀) + (♀ · ♣)
- D) (@ - ♪) + (♠ · ♣) + (♀ + ♥) : ©
- E) ♀ + (♪ · @) + (♦ + ©)

1983 Answer the following question concerning IMAGE TN 94

Which of the following statements concerning the three shapes is correct?

- A) Triangle 2 contains more white small triangles than triangle 3 but fewer than triangle 1
- B) Triangle 3 contains fewer black small triangles than both triangle 1 and triangle 2
- C) Triangle 2 contains fewer black small triangles than triangle 1 but more than triangle 3
- D) Triangle 3 contains fewer black small triangles than triangle 2 but more than triangle 1
- E) Triangle 1 contains fewer black small triangles than triangle 2

IMAGE TP 29**1984 Answer the following question concerning IMAGE TP 29**

Which radius must be deleted in order for all the numbers lying on one circle to be divisible by the same number?

- A) Radius number 3
- B) Radius number 1
- C) Radius number 2
- D) Radius number 4
- E) Radius number 5

IMAGE TP 35

2	5	8	7	0	6	9	3	4	1
1	2	3	4	5	6	7	8	9	0

1985 Answer the following question concerning IMAGE TP 35

After replacing every digit of the first row with the corresponding digit in the second row, determine the result (in ordinary numbers) of the following expression: $506 : 67 + 46 - 01 = ?$

- A) 50
- B) 64.2
- C) 1.6
- D) 0
- E) 52.5

IMAGE TP 37

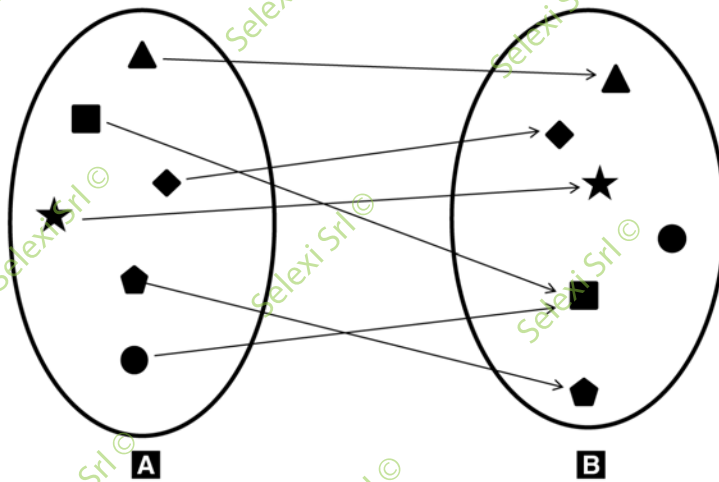
H	I	S	T	O	R	A	K	E	Y
1	2	3	4	5	6	7	8	9	0

1986 Answer the following question concerning IMAGE TP 37

After replacing each letter in the first row with the corresponding digit in the row below, determine the result of the following expression:

$$KYY : IO \times HY - ITT + IT = ?$$

- A) 60
- B) 100
- C) 40
- D) 44
- E) -60

IMAGE TP 38

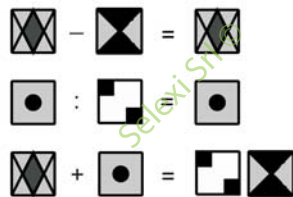
1987 Answer the following question concerning IMAGE TP 38

Consider the relation between the elements belonging to set A and those belonging to set B. Which of the following statements is correct?

- A) The square of set A is related to the elements of B in a one to many ratio
- B) Two different elements belonging to A correspond to different elements of B
- C) None of the other statements is correct
- D) Every element that belongs to A corresponds to an element that is equal to itself
- E) Every element that belongs to B corresponds to an element contained in A

IMAGE TR 06

Consider that the equal sign corresponds to the same digit.



$$\text{X-square} = 2 \quad \text{Top-left square} = 7$$

A

$$\text{X-square} = 4 \quad \text{Top-left square} = 2$$

B

$$\text{X-square} = 7 \quad \text{Top-left square} = 3$$

C

$$\text{X-square} = 1 \quad \text{Top-left square} = 6$$

D

1988 Answer the following question concerning IMAGE TR 06

Which alternative is coherent with the system of operations proposed in the figure?

- A) Figure A
- B) Figure C
- C) Figure B
- D) Figure D
- E) None of the figures proposed

IMAGE TR 08

Consider that the equal sign corresponds to the same digit.

$$\begin{array}{rcl}
 \begin{array}{|c|} \hline \text{X} \\ \hline \end{array} & \cdot & \begin{array}{|c|} \hline \blacktriangle \\ \hline \end{array} = \begin{array}{|c|} \hline \blacktriangle \\ \hline \end{array} \\
 + & & - & & + \\
 \begin{array}{|c|} \hline \bullet \\ \hline \end{array} & \cdot & \begin{array}{|c|} \hline \text{X} \\ \hline \end{array} = \begin{array}{|c|} \hline \text{X} \\ \hline \end{array} \\
 \hline
 \begin{array}{|c|} \hline \blacksquare \\ \hline \end{array} & - & \begin{array}{|c|} \hline \blacktriangle \\ \hline \end{array} = \begin{array}{|c|} \hline \blacktriangle \\ \hline \end{array}
 \end{array}$$

$\begin{array}{|c|} \hline \bullet \\ \hline \end{array} = 3 \quad \begin{array}{|c|} \hline \blacktriangle \\ \hline \end{array} = 5$

A

$\begin{array}{|c|} \hline \bullet \\ \hline \end{array} = 5 \quad \begin{array}{|c|} \hline \blacktriangle \\ \hline \end{array} = 3$

B

$\begin{array}{|c|} \hline \bullet \\ \hline \end{array} = 7 \quad \begin{array}{|c|} \hline \blacktriangle \\ \hline \end{array} = 2$

C

$\begin{array}{|c|} \hline \bullet \\ \hline \end{array} = 6 \quad \begin{array}{|c|} \hline \blacktriangle \\ \hline \end{array} = 3$

D

$\begin{array}{|c|} \hline \bullet \\ \hline \end{array} = 5 \quad \begin{array}{|c|} \hline \blacktriangle \\ \hline \end{array} = 2$

E

1989 Answer the following question concerning **IMAGE TR 08**

Which alternative is coherent with the system of operations proposed in the figure?

- A) Figure E
- B) Figure B
- C) Figure C
- D) Figure D
- E) Figure A

IMAGE TR 09

Consider that the equal sign corresponds to the same digit.

$$\begin{array}{rcl}
 \begin{array}{|c|} \hline \text{X} \\ \hline \end{array} & \cdot & \begin{array}{|c|} \hline \blacktriangle \\ \hline \end{array} = \begin{array}{|c|} \hline \blacktriangle \\ \hline \end{array} \\
 + & & - & & + \\
 \begin{array}{|c|} \hline \bullet \\ \hline \end{array} & \cdot & \begin{array}{|c|} \hline \text{X} \\ \hline \end{array} = \begin{array}{|c|} \hline \text{X} \\ \hline \end{array} \\
 \hline
 \begin{array}{|c|} \hline \blacksquare \\ \hline \end{array} & - & \begin{array}{|c|} \hline \blacktriangle \\ \hline \end{array} = \begin{array}{|c|} \hline \blacktriangle \\ \hline \end{array}
 \end{array}$$

$\begin{array}{ c } \hline \bullet \\ \hline \end{array} = \begin{array}{ c } \hline \blacksquare \\ \hline \end{array} + \begin{array}{ c } \hline \text{X} \\ \hline \end{array}$ A	$\begin{array}{ c } \hline \bullet \\ \hline \end{array} = \begin{array}{ c } \hline \blacksquare \\ \hline \end{array} : 2 + \begin{array}{ c } \hline \text{X} \\ \hline \end{array}$ B	$\begin{array}{ c } \hline \bullet \\ \hline \end{array} = \begin{array}{ c } \hline \blacktriangle \\ \hline \end{array} \cdot 2 + \begin{array}{ c } \hline \text{X} \\ \hline \end{array}$ C	$\begin{array}{ c } \hline \bullet \\ \hline \end{array} = \begin{array}{ c } \hline \blacktriangle \\ \hline \end{array} \cdot 2 + \begin{array}{ c } \hline \text{X} \\ \hline \end{array}$ D	$\begin{array}{ c } \hline \text{X} \\ \hline \end{array} = 2 \cdot \begin{array}{ c } \hline \blacktriangle \\ \hline \end{array}$ E
--	--	--	--	--

1990 Answer the following question concerning **IMAGE TR 09**

Which alternative is coherent with the system of operations proposed in the figure?

- A) Figure C
- B) Figure A
- C) Figure B
- D) Figure D
- E) Figure E

IMAGE TR 12

$$[3 + \square \cdot (\square - \square) + \square] / \square = 2$$

Sequence A	2, 8, 3, 5, 9
Sequence B	2, 6, 3, 3, 2
Sequence C	2, 3, 6, 3, 1
Sequence D	6, 3, 2, 1, 2

1991 Answer the following question concerning IMAGE TR 12

Which of the following numerical sequence has to be inserted into the expression (a number for each little square) so that the consequent identity is satisfied?

- A) None of other reported sequences
- B) Sequence B
- C) Sequence C
- D) Sequence D
- E) Sequence A

SEQUENCE SZ 04

77	65	46
31	14	7
45	50	?

1992 Answer the following question concerning SEQUENCE SZ 04

Find the missing number.

- A) 38
- B) 39
- C) 19
- D) 37
- E) 29

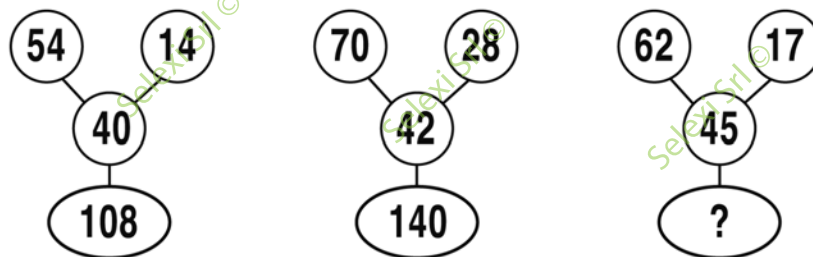
SEQUENCE SZ 08

75	63	44
33	16	9
41	46	?

1993 Answer the following question concerning SEQUENCE SZ 08

Find the missing number.

- A) 35
- B) 24
- C) 17
- D) 34
- E) 30

SEQUENCE SZ 09

1994 Answer the following question concerning SEQUENCE SZ 09

Find the missing number.

- A) 100
- B) 124
- C) 84
- D) 60
- E) 64

1995 Answer the following question concerning SEQUENCE SZ 09

Find the missing number.

- A) 84
- B) 64
- C) 75
- D) 60
- E) 124

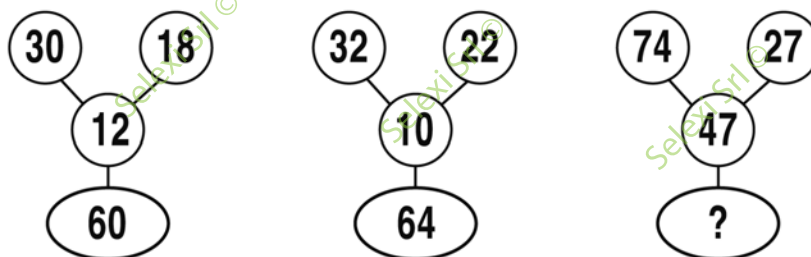
SEQUENCE SZ 14

72	60	41
36	19	12
35	40	?

1996 Answer the following question concerning SEQUENCE SZ 14

Find the missing number.

- A) 39
- B) 27
- C) 29
- D) 28
- E) 14

SEQUENCE SZ 17

1997 Answer the following question concerning SEQUENCE SZ 17

Find the missing number.

- A) 148
- B) 47
- C) 72
- D) 97
- E) 96

SEQUENCE SZ 20

13	2	30	5	15	10
21	5	10	140	25	?

1998 Answer the following question concerning SEQUENCE SZ 20

Find the missing number.

- A) 75
- B) 125
- C) 100
- D) 102
- E) 50

SEQUENCE SZ 22

3	2	4
9	29	13
27	58	?

1999 Answer the following question concerning SEQUENCE SZ 22

Find the missing number.

- A) 62
- B) 52
- C) 54
- D) 46
- E) 48

SEQUENCE SZ 37

21	18	31
47	31	17
68	49	?

2000 Answer the following question concerning SEQUENCE SZ 37

Find the missing number.

- A) 42
- B) 48
- C) 49
- D) 39
- E) 45

SEQUENCE SZ 39

19	28	25
23	24	23
42	52	?

2001 Answer the following question concerning SEQUENCE SZ 39

Find the missing number.

- A) 48
- B) 45
- C) 47
- D) 49
- E) 50

SEQUENCE SZ 43

61	57	26
12	31	9
49	26	?

2002 Answer the following question concerning SEQUENCE SZ 43

Find the missing number.

- A) 35
- B) 24
- C) 19
- D) 17
- E) 13

SEQUENCE SZ 45

60	56	25
13	32	10
47	24	?

2003 Answer the following question concerning SEQUENCE SZ 45

Find the missing number.

- A) 17
- B) 22
- C) 15
- D) 14
- E) 16

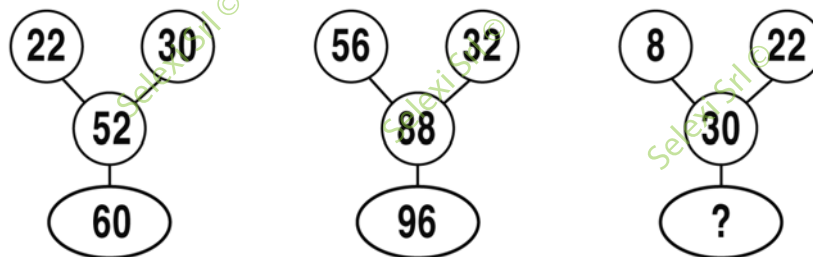
SEQUENCE SZ 63

51	47	16
22	28	7
29	19	?

2004 Answer the following question concerning SEQUENCE SZ 63

Find the missing number.

- A) 9
- B) 7
- C) 23
- D) 11
- E) 8

SEQUENCE SZ 68

2005 Answer the following question concerning SEQUENCE SZ 68

Find the missing number:

- A) 40
- B) 60
- C) 32
- D) 38
- E) 35

SEQUENCE SZ 83

8	10	9	7	8	11
10	70	12	51	10	?

2006 Answer the following question concerning SEQUENCE SZ 83

Find the missing number.

- A) 75
- B) 80
- C) 81
- D) 78
- E) 77

SEQUENCE SZ 85

10	12	11	9	10	11
12	108	8	91	12	?

2007 Answer the following question concerning SEQUENCE SZ 85

Find the missing number.

- A) 98
- B) 97
- C) 96
- D) 99
- E) 90

SEQUENCE SZ 88

16	8	51	17	50	25
70	72	54	57	54	?

2008 Answer the following question concerning SEQUENCE SZ 88

Find the missing number.

- A) 57
- B) 56
- C) 58
- D) 46
- E) 60

SEQUENCE SZ 89

16	8	57	19	56	28
76	78	60	63	60	?

2009 Answer the following question concerning SEQUENCE SZ 89

Find the missing number.

- A) 62
- B) 63
- C) 64
- D) 52
- E) 72

SEQUENCE SZ 96

70	58	39
39	22	15
32	37	?

2010 Answer the following question concerning SEQUENCE SZ 96

Find the missing number.

- A) 25
- B) 24
- C) 23
- D) 26
- E) 27

SEQUENCE SN 12

128	239	461
351	572	437
479	811	?

2011 Answer the following question concerning SEQUENCE SN 12

Find the missing number.

- A) 900
- B) 898
- C) 897
- D) 901
- E) 896

SEQUENCE SN 25

<div><div>8</div><div>6</div><div>@</div></div>	<div><div>9</div><div>3</div><div>#</div></div>	<div><div>10</div><div>3</div><div>@</div></div>	<div><div>11</div><div>0</div><div>#</div></div>
<div><div>7</div><div>12</div><div>#</div></div>	<div><div>8</div><div>8</div><div>@</div></div>	<div><div>9</div><div>4</div><div>#</div></div>	<div><div>?</div><div>?</div><div>?</div></div>

2012 Answer the following question concerning SEQUENCE SN 25

Find the missing number.

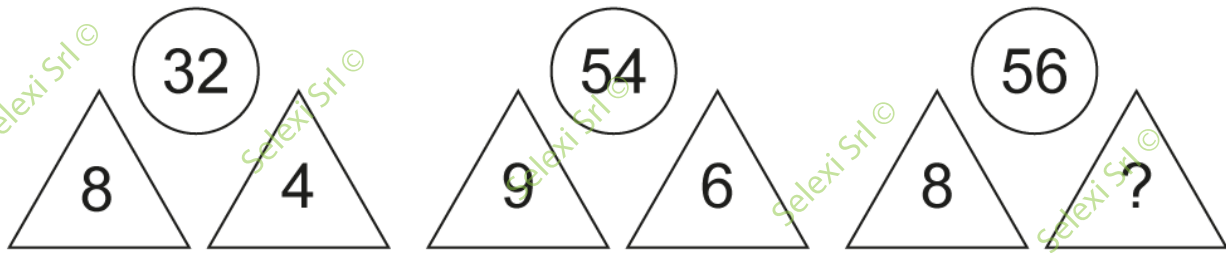
- A) 10; 13; #
- B) 12; 0; @
- C) 3; 16; @
- D) 10; 4; @
- E) 10; 8; @

SEQUENCE SN 26

2013 Answer the following question concerning SEQUENCE SN 26

Find the missing number.

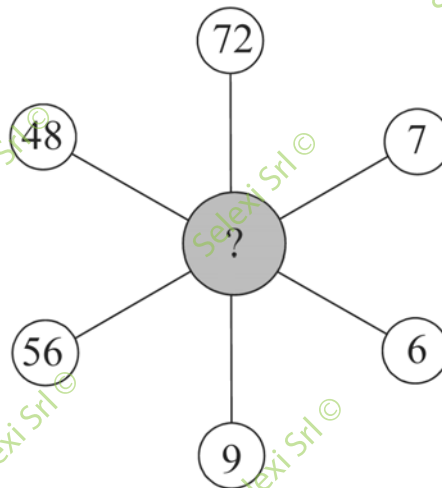
- A) 22
- B) 2
- C) 10
- D) 15
- E) 12

SEQUENCE SN 50

2014 Answer the following question concerning SEQUENCE SN 50

Find the missing number.

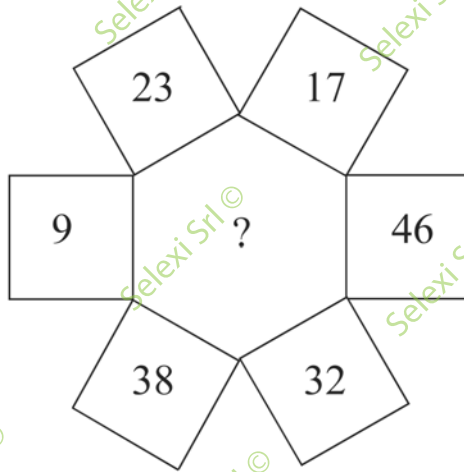
- A) 7
- B) 4
- C) 10
- D) 9
- E) 6

SEQUENCE SN 57

2015 Answer the following question concerning SEQUENCE SN 57

Which is the number that completes the following diagram?

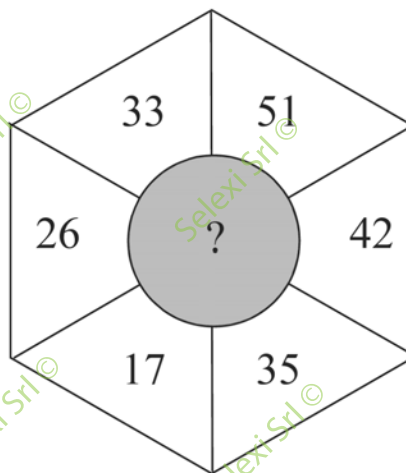
- A) 8
- B) 4
- C) 54
- D) 22
- E) 51

SEQUENCE SN 60

2016 Answer the following question concerning SEQUENCE SN 60

What number completes the given scheme?

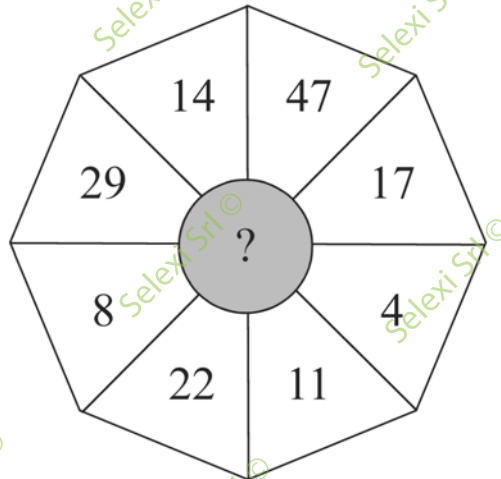
- A) 40
- B) 9
- C) 55
- D) 37
- E) 21

SEQUENCE SN 61

2017 Answer the following question concerning SEQUENCE SN 61

Which is the number that logically complete the schema?

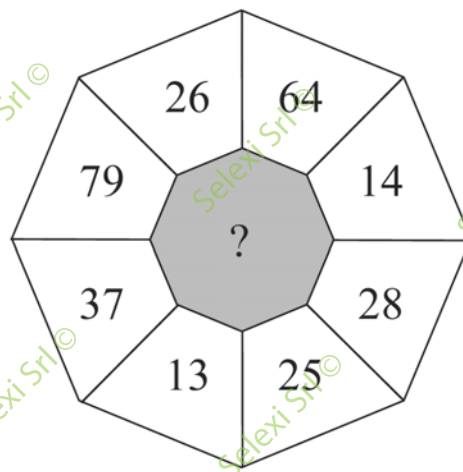
- A) 16
- B) 68
- C) 67
- D) 3
- E) 66

SEQUENCE SN 62

2018 Answer the following question concerning SEQUENCE SN 62

Which of the following numbers can be insert in the centre of the figure in order to satisfy a logic relationship among the elements?

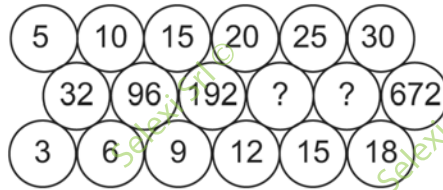
- A) 25
- B) 20
- C) 8
- D) 2
- E) 118

SEQUENCE SN 64

2019 Answer the following question concerning SEQUENCE SN 64

Find the missing number.

- A) 73
- B) 7
- C) 1
- D) 23
- E) 51

SEQUENCE SN 70

2020 Answer the following question concerning SEQUENCE SN 70

Which numbers logically complete the schema?

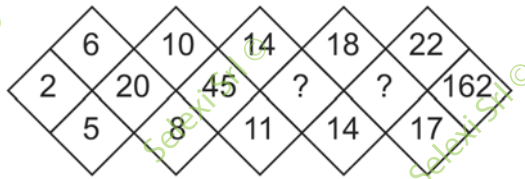
- A) 256; 512
- B) 256; 352
- C) 320; 480
- D) 320; 640
- E) 128; 240

SEQUENCE SN 71

2021 Answer the following question concerning SEQUENCE SN 71

Which number completes the following diagram?

- A) 45
- B) 50
- C) 60
- D) 55
- E) 35

SEQUENCE SN 72

2022 Answer the following question concerning SEQUENCE SN 72

Which numbers logically complete the schema?

- A) 72; 112
- B) 70; 102
- C) 75; 115
- D) 109; 143
- E) 77; 116

SEQUENCE SN 76

8		10	5
	7	6	9
1	14		4
13	2	3	

2023 Answer the following question concerning SEQUENCE SN 76

How many numbers you have to fill in, from top to bottom, in order to have always the same results in the horizontal and in the vertical sum?

- A) 11-12-15-16
- B) 1-3-5-6
- C) 21-22-25-26
- D) 1-2-15-26
- E) 11-12-16-15

SEQUENCE SN 90



2024 Answer the following question concerning SEQUENCE SN 90
Find the missing number.

- A) 15
- B) 18
- C) 16
- D) 14
- E) 20

SEQUENCE SN 97

2	7	4	7	6	7
3	11	5	23	7	?

2025 Answer the following question concerning SEQUENCE SN 97
Find the missing number.

- A) 33
- B) 25
- C) 27
- D) 35
- E) 20

TABLE SZ 23

13	18	27	44	
8	9	10	11	12

2026 Answer the following question concerning TABLE SZ 23
Which of the following numbers fits in the empty box?

- A) 63
- B) 77
- C) 74
- D) 67
- E) 61

TABLE SZ 25

5	7	?	6
49	25	36	81

2027 Answer the following question concerning TABLE SZ 25
What is the missing number?

- A) 11
- B) 3
- C) 8
- D) 4
- E) 9

2028 Five trains: A, B, C, D and E leave from the same station to reach five different cities. We know that: I) C is faster than B but arrives after the latter, which is instead the first to arrive; II) A is the last to arrive even if it is faster than D and slower than B; III) E, the second train to reach its destination, is faster than D, but slower than A. Based on the above information, we can be sure that:

- A) C arrives after D
- B) C arrives before A
- C) C is the fourth to arrive
- D) C arrives before D
- E) C is the third to arrive

2029 Five trains: A, B, C, D and E leave from the same station to reach five different cities. We know that: I) C is faster than B but arrives after the latter, which is instead the first to arrive; II) A is the last to arrive even if it is faster than D and slower than B; III) E, the second train to reach its destination, is faster than D, but slower than A. Based on the above information, we can say that the fastest train is:

- A) D
- B) E
- C) B
- D) C
- E) it cannot be determined

2030 Marian has three sisters: Frances, Simone and Agnes and two brothers: Dominick and Vincent. We know that: I) Dominick is the eldest; II) Vincent is older than Simone and Frances (not necessarily in that order) but younger than Marian and Agnes (not necessarily in that order). Based on this information, it is certainly true that:

- A) Frances is younger than Agnes
- B) Simone is older than Frances
- C) Agnes is older than Marian
- D) Frances is older than Simone
- E) Marian is older than Agnes

2031 Five trains: A, B, C, D and E leave from the same station to reach five different cities. We know that: I) C is faster than B but arrives after the latter, which is instead the first to arrive; II) A is the last to arrive even if it is faster than D and slower than B; III) E, the second train to reach its destination, is faster than D, but slower than A. Based on the above information, we can say that the third fastest train is:

- A) A
- B) C
- C) D
- D) B
- E) it cannot be determined

2032 Grace has got three sisters – Sophia, Mary and Nadia – and two brothers – Darren and Vince. It is known that: 1) Darren is the eldest child; 2) Vince is older than Mary and Nadia (not necessarily in this order), but younger than Grace and Sophia (not necessarily in this order). Based on these statements, which of the following statements is FALSE?

- A) Mary is younger than Sophia
- B) Sophia is older than Nadia
- C) Sophia is older than Mary
- D) Grace is older than Nadia but younger than Vince
- E) Grace is older than Mary

2033 Decide the correct sequence on the basis of the clues given below. For every wrong sequence, two kinds of digits are indicated: WP (number of correct digits in the right position, i.e. "well placed") or MP (number of correct digits in the wrong position, i.e. "misplaced").

1234: 1 WP / 2 MP

3201: 1 WP / 1 MP

2430: 1 WP / 2 MP

2543: 3 WP

- A) 2541
- B) 2243
- C) 1543
- D) 3543
- E) 2043

2034 "If Q then B or D, but only if D then L and C". If this statement is true, then it is certainly true that:

- A) if L and C then not necessarily Q
- B) if not Q then not L
- C) if L and C then Q
- D) if Q then L and C
- E) if not Q then not C

2035 John has four friends: Frank, Stephen, Daniel and Mark, each of whom has a girlfriend: Felicia, Alice, Stephanie and Raffaella (not necessarily in this order). Each one of John's friends works for a different company: Alpha, Beta, Gamma and Delta (not necessarily in this order). The known data are as follows: I) Frank's girlfriend is Felicia; II) Daniel works for Gamma; III) Stephen's girlfriend is Alice, and he does not work for Beta; IV) Mark works for Alpha. Based on this information, it is certainly TRUE that:

- A) Stephanie is the girlfriend of John's friend who works for Gamma or Alpha
- B) Stephanie is the girlfriend of John's friend who works for Alpha
- C) Raffaella is the girlfriend of John's friend who works for Gamma
- D) Raffaella is the girlfriend of John's friend who works for Alpha
- E) Stephanie is the girlfriend of John's friend who works for Gamma

2036 In the final race of a motorcycle competition, the ranking from first to seventh place is as follows: Aldous, Frank, Isabel, Gail, Beatrice, Claude, Henry. Five of the seven racers ride Japanese motorcycles, and it is known that three of these racers are among those who ranked first to fourth, and three are among those who ranked fourth to seventh. It can be stated with certainty that one racers who rides a Japanese motorcycle is:

- A) Isabel
- B) Gail
- C) Claude
- D) Henry
- E) Frank

2037 In the final run of a cross-country skiing competition, the ranking from first to seventh place is as follows: Aldous, Frank, Isabel, Beatrice, Claude, Henry, Gail. Five of these seven athletes use the classic technique, and it is known that three of the skiers who use the classic technique are among those who ranked first to fourth, and three are among those who ranked fourth to seventh. It can be stated with certainty that one skier who uses the classic technique is:

- A) Beatrice
- B) Henry
- C) Frank
- D) Claude
- E) Isabel

2038 Next week Audrey must meet Lucretia, Rita, Maria, Patricia, Charles and Silvia and she only has Monday, Tuesday and Wednesday night available. Audrey decides therefore to meet two friends every night. To plan the meetings, however, she must keep in mind that: I) Rita and Silvia do not want to meet; II) Patricia cannot go out on Monday nights; III) Charles can only go out on Wednesday nights; IV) Maria and Lucretia only go out together. Based on the previous statements, and in order for Audrey to be able to meet all of her six friends, which friend she is NOT going to meet on Wednesday?

- A) It cannot be determined with the given data
- B) Rita
- C) Patricia
- D) Charles
- E) Silvia

2039 "If and only if W then R, but if W then not T". If this statement is true, then it is certainly true that:

- A) if not T then not W
- B) only if W then R and T
- C) if T then not R
- D) if not R then T
- E) if not T then R

2040 In order to determine which day of the week will be the 15th of August of next year, are the following pieces of information necessary?

1) This year the 15th of August is a Friday;

2) The 31st of December of next year is a Friday.

- A) Information 2) is necessary, information 1) is not useful
- B) Information 1) is useful, information 2) is not useful
- C) Both 1) and 2) are useful
- D) Both 1) and 2) are necessary
- E) Information 1) is necessary, information 2) is not useful

2041 The area of a square is equal to the area of an isosceles triangle. What is the height of the isosceles triangle?

(1) The square's diagonal, expressed in centimetres, is twice the square root of 2.

(2) The base of the isosceles triangle measures 1 cm.

- A) There are no sufficient data to find the solution
- B) Sufficient data to give an answer are found only in (2) but not in (1)
- C) Sufficient data to give an answer are only found in (1) but not in (2)
- D) Sufficient data to give an answer are found in (1) and in (2), together
- E) None of the other alternatives is correct

2042 Andrew arrives at Rome airport and notices the following information: I) the flight to Prague arriving from Milan lands in Rome at 12:00 (noon) and departs at 12:30; II) the flight to Stockholm departs 90 minutes after the one to Berlin, which departs at 12:00; III) the flight to Madrid departs 40 minutes before the one to Stockholm, and the flight to Lisbon departs 10 minutes after the one to Madrid. Based on this information, if the plane to Madrid takes one hour and a half to reach its destination, at what time will it land in Madrid?

- A) At 3 p.m.
- B) At 2.50 p.m.
- C) At 2.20 p.m.
- D) At 2.30 p.m.
- E) at 2 p.m.

2043 Five friends – Anthony, Vincent, Louis, Daniel and Stanley – were born in different cities: Pittsburgh, Bristol, Cambridge, Georgetown and Washington, not necessarily in this order. Everyone is a different age – 28, 26, 25, 24 and 22, not necessarily in this order. We know that: Daniel is the youngest and was born in an English city. Louis is the oldest and was born in Washington. The friend who was born in Cambridge is two years younger than Louis and is not Anthony. Vincent comes from Pittsburgh and his age is divisible by 5.

Based on the given information, how old is Anthony and where was he born?

- A) He is 26 years old but it is impossible to say where he was born
- B) He is 26 years old and was born in Georgetown
- C) He is 24 years old and was born in Bristol
- D) He is 24 years old and was born in Georgetown
- E) He is 26 years old and was born in Bristol

2044 Four boys – Luke, Paul, Mark and Anthony – enter a flower store. Each of them buys a bunch of only one kind of flowers, choosing from tulips, roses, lilies and pansies, not necessarily in this order. Every boy chooses a different kind of flower. The flowers are for a mother, a friend, a grandmother and an aunt, not necessarily in this order. We know that: Andrew does not buy either tulips or lilies and his flowers are neither for his mother nor for his grandmother. Lilies are not purchased by either Mark or Paul. The aunt will receive tulips, and the grandmother pansies. From the information given, it can be inferred that Luke will give flowers to his:

- A) friend
- B) mother
- C) grandmother
- D) it cannot be determined
- E) aunt

2045 If Albert is taller than Frank, who is shorter than Maurice, then it is certainly true that:

- A) all the other answers are correct
- B) Albert is taller than Maurice
- C) Maurice is taller than Albert
- D) Maurice is as tall as Albert
- E) both Albert and Maurice are taller than Frank

2046 A is more attractive than B. B is more attractive than C and more unattractive than D. If all these statements are correct, and if F is more attractive than B, it is necessarily true that:

- A) F is more unattractive than A
- B) F is more unattractive than D
- C) F is more attractive than D
- D) F is more attractive than C
- E) F is more unattractive than C

2047 Grace has got three sisters – Sophia, Michelle and Nadine – and two brothers – Darryl and Vincent. We know that: I) Darryl is the eldest son; II) Vincent is older than Michelle and Nadine (not necessarily in this order) but younger than Grace and Sophia (not necessarily in this order). Based on this information, it is certainly true that:

- A) Grace is younger than Michelle
- B) Michelle is older than Nadine
- C) Nadine is younger than Sophia
- D) Sophia is older than Grace
- E) Michelle is younger than Nadine

2048 If Paul is older than John, and Anna is older than Paul, who is the oldest?

- A) Paul or Anna
- B) Anna
- C) John
- D) Paul
- E) Paul or John

2049 Five trains: A, B, C, D and E leave from the same station to reach five different cities. We know that: I) C is faster than B but arrives after the latter, which is instead the first to arrive; II) A is the last to arrive even if it is faster than D and slower than B; III) E, the second train to reach its destination, is faster than D, but slower than A. Based on the above information, we can say that the third slowest train:

- A) is B
- B) is A
- C) it cannot be determined
- D) is D
- E) is C

2050 Andrew arrives at Rome airport and notices the following information: I) the flight to Prague arriving from Milan lands in Rome at 12:00 (noon) and departs at 12:30; II) the flight to Stockholm departs 90 minutes after the one to Berlin, which departs at 12:00; III) the flight to Madrid departs 40 minutes before the one to Stockholm, and the flight to Lisbon departs 10 minutes after the one to Madrid. Based on this information, the flight to Lisbon departs:

- A) 30 minutes after the flight to Berlin
- B) 30 minutes before the flight to Stockholm
- C) one hour after the flight to Prague
- D) 50 minutes before the flight to Prague
- E) 10 minutes before the flight to Madrid

2051 If it is Monday and the hands of a clock indicate 1.45 a.m., in 41 hours and 30 minutes it will be:

- A) 6.15 p.m. on Tuesday
- B) 7.15 a.m. on Wednesday
- C) 3.15 p.m. on Tuesday
- D) 7.15 p.m. on Monday
- E) 7.15 p.m. on Tuesday

- 2052** An encyclopedia is made up of 8 volumes, each of which has got 600 pages. If the volumes are arranged side by side on a shelf, following the numerical order, how many pages are there between the last page of the third volume and the last page of the sixth volume?
- A) 1,800
 - B) 1,200
 - C) 2,400
 - D) 3,000
 - E) 600
-
- 2053** Sam has got 6 coins that look the same. One of them, however, is heavier than the others. If he has a scale with two platforms, how many weighings will he need to find the heaviest coin?
- A) 4
 - B) 1
 - C) 2
 - D) 3
 - E) 5
-
- 2054** Gail has got 6 necklaces that look the same. One of them, however, is heavier than the others. If she has a scale with two platforms, how many weighings will she need to find the heaviest necklace?
- A) 3
 - B) 4
 - C) 2
 - D) 5
 - E) 1
-
- 2055** You have a scale with two platforms. The right arm of the scale is twice the length of the left arm. If 6 identical weights are placed on the right platform, how many weights of the same kind must be placed on the left platform to balance the scale?
- A) 14
 - B) 24
 - C) 36
 - D) 12
 - E) 3
-
- 2056** A metal bar 1 metre long is suspended by its centre. At 10 cm from the right end hangs a 40 kg weight, while at the other end hangs a 36 kg weight. What must you do to balance the bar and keep it horizontal?
- A) Add to the weight hung on the right end another weight of 4 kg
 - B) Add to the weight hung on the left end another weight of 5 kg
 - C) Add to the weight hung on the left end another weight of 4 kg
 - D) Nothing, the bar is already balanced
 - E) Add to the weight hung on the right end another weight of 5 kg
-
- 2057** A metal bar 1 metre long is suspended by its centre. At 10 cm from the right end hangs a 40 kg weight, while at the other end hangs a 48 kg weight. What must you do to balance the bar and keep it horizontal?
- A) Add to the weight hung on the left end another weight of 20 kg
 - B) Nothing, the bar is already balanced
 - C) Add to the weight hung on the right end another weight of 16 kg
 - D) Add to the weight hung on the right end another weight of 20 kg
 - E) Add to the weight hung on the left end another weight of 16 kg

- 2058 A metal bar 1 metre long is suspended by its centre. At 15 cm from the right end hangs a 5 kg weight, while at the other end hangs a 42 kg weight. What must you do to balance the bar and keep it horizontal?**
- A) Add to the weight hung on the left end another weight of 55 kg
 - B) Add to the weight hung on the right end another weight of 55 kg
 - C) Add to the weight hung on the right end another weight of 60 kg
 - D) Nothing, the bar is already balanced
 - E) Add to the weight hung on the left end another weight of 60 kg
-
- 2059 A metal bar 1 metre long is suspended by its centre. At 15 cm from the right end hangs a 20 kg weight, while at the other end hangs a 21 kg weight. What must you do to balance the bar and keep it horizontal?**
- A) Add to the weight hung on the left end another weight of 10 kg
 - B) Nothing, the bar is already balanced
 - C) Add to the weight hung on the right end another weight of 7 kg
 - D) Add to the weight hung on the right end another weight of 10 kg
 - E) Add to the weight hung on the left end another weight of 7 kg
-
- 2060 A metal bar 1 metre long is suspended by its centre. At 40 cm from the right end hangs a 25 kg weight, while at the other end hangs a 40 kg weight. What must you do to balance the bar and keep it horizontal?**
- A) Add to the weight hung on the left end another weight of 175 kg
 - B) Nothing, the bar is already balanced
 - C) Add to the weight hung on the right end another weight of 35 kg
 - D) Add to the weight hung on the right end another weight of 175 kg
 - E) Add to the weight hung on the left end another weight of 35 kg
-
- 2061 A metal bar 1 metre long is suspended by its centre. At 40 cm from the right end hangs a 30 kg weight, while at the other end hangs a 40 kg weight. What must you do to balance the bar and keep it horizontal?**
- A) Add to the weight hung on the left end another weight of 34 kg
 - B) Add to the weight hung on the right end another weight of 170 kg
 - C) Add to the weight hung on the right end another weight of 34 kg
 - D) Nothing, the bar is already balanced
 - E) Add to the weight hung on the left end another weight of 170 kg
-
- 2062 A metal bar 1 metre long is suspended by its centre. At 40 cm from the right end hangs a 15 kg weight, while at the other end hangs a 42 kg weight. What must you do to balance the bar and keep it horizontal?**
- A) Add to the weight hung on the right end another weight of 39 kg
 - B) Add to the weight hung on the right end another weight of 195 kg
 - C) Add to the weight hung on the left end another weight of 195 kg
 - D) Nothing, the bar is already balanced
 - E) Add to the weight hung on the left end another weight of 39 kg

- 2063** A metal bar 1 metre long is suspended by its centre. At 40 cm from the right end hangs a 30 kg weight, while at the other end hangs a 42 kg weight. What must you do to balance the bar and keep it horizontal?
- A) Nothing, the bar is already balanced
 - B) Add to the weight hung on the left end another weight of 180 kg
 - C) Add to the weight hung on the right end another weight of 36 kg
 - D) Add to the weight hung on the left end another weight of 36 kg
 - E) Add to the weight hung on the right end another weight of 180 kg
-
- 2064** A metal bar 1 metre long is suspended by its centre. At 40 cm from the right end hangs a 45 kg weight, while at the other end hangs a 45 kg weight. What must you do to balance the bar and keep it horizontal?
- A) Add to the weight hung on the left end another weight of 36 kg
 - B) Add to the weight hung on the right end another weight of 180 kg
 - C) Add to the weight hung on the right end another weight of 36 kg
 - D) Nothing, the bar is already balanced
 - E) Add to the weight hung on the left end another weight of 180 kg
-
- 2065** A metal bar 1 metre long is suspended by its centre. At 5 cm from the right end hangs a 30 kg weight, while at the other end hangs a 45 kg weight. What must you do to balance the bar and keep it horizontal?
- A) Nothing, the bar is already balanced
 - B) Add to the weight hung on the left end another weight of 20 kg
 - C) Add to the weight hung on the right end another weight of 18 kg
 - D) Add to the weight hung on the right end another weight of 20 kg
 - E) Add to the weight hung on the left end another weight of 18 kg
-
- 2066** A metal bar 1 metre long is suspended by its centre. At 10 cm from the right end hangs a 10 kg weight, while at the other end hangs a 24 kg weight. What must you do to balance the bar and keep it horizontal?
- A) Nothing, the bar is already balanced
 - B) Add to the weight hung on the right end another weight of 20 kg
 - C) Add to the weight hung on the right end another weight of 16 kg
 - D) Add to the weight hung on the left end another weight of 20 kg
 - E) Add to the weight hung on the left end another weight of 16 kg
-
- 2067** You have a scale with two platforms. The left arm of the scale is three times the length of the right arm. If 24 identical weights are placed on the right platform, how many weights of the same kind must be placed on the left platform to balance the scale?
- A) 18
 - B) 7
 - C) 15
 - D) 12
 - E) 8
-
- 2068** Esteban has got 5 identical marbles. One of them, however, is heavier than the others. If he has a scale with two platforms, how many weighings will he need to find the heaviest marble?
- A) 1
 - B) 5
 - C) 2
 - D) 4
 - E) 3

2069 Myriam has got 12 identical hair slides. One of them, however, is heavier than the others. If she has a scale with two platforms, how many weighings will she need to find the heaviest hair slide?

- A) 5
- B) 7
- C) 11
- D) 6
- E) 3

2070 A metal bar 1 metre long is suspended by its centre. At 25 cm from the left end hangs a 35 kg weight, while at the other end hangs a 28 kg weight. What must you do to balance the bar and keep it horizontal?

- A) Add to the weight hung on the right end another weight of 7 kg
- B) Add to the weight hung on the left end another weight of 21 kg
- C) Add to the weight hung on the left end another weight of 7 kg
- D) Nothing, the bar is already balanced
- E) Add to the weight hung on the right end another weight of 25 kg

2071 A metal bar 1 metre long is suspended by its centre. At 10 cm from the right end hangs a 20 kg weight, while at the other end hangs a 48 kg weight. What must you do to balance the bar and keep it horizontal?

- A) Add to the weight hung on the left end another weight of 40 kg
- B) Add to the weight hung on the right end another weight of 28 kg
- C) Nothing, the bar is already balanced
- D) Add to the weight hung on the right end another weight of 40 kg
- E) Add to the weight hung on the left end another weight of 32 kg

2072 A metal bar 1 metre long is suspended by its centre. At 15 cm from the right end hangs a 25 kg weight, while at the other end hangs a 42 kg weight. What must you do to balance the bar and keep it horizontal?

- A) Add to the weight hung on the left end another weight of 35 kg
- B) Add to the weight hung on the right end another weight of 35 kg
- C) Nothing, the bar is already balanced
- D) Add to the weight hung on the left end another weight of 40 kg
- E) Add to the weight hung on the right end another weight of 17 kg

2073 Marcus has got 5 identical tokens. One of them, however, is heavier than the others. If he has a scale with two platforms, how many weighings will he need to find the heaviest token?

- A) 2
- B) 5
- C) 4
- D) 3
- E) 1

2074 You have a scale with two platforms. The left arm of the scale is three times the length of the right arm. If 27 identical weights are placed on the right platform, how many weights of the same kind must be placed on the left platform to balance the scale?

- A) 10
- B) 9
- C) 27
- D) 81
- E) 18

2075 You have a scale with two platforms. The left arm of the scale is three times the length of the right arm. If 18 identical weights are placed on the right platform, how many weights of the same kind must be placed on the left platform to balance the scale?

- A) 12
- B) 6
- C) 18
- D) 8
- E) 7

2076 Sheila has got 6 identical bracelets. One of them, however, is heavier than the others. If she has a scale with two platforms, how many weighings will she need to find the heaviest bracelet?

- A) 6
- B) 2
- C) 4
- D) 3
- E) 5

2077 You have a scale with two platforms. The left arm of the scale is three times the length of the right arm. If 21 identical weights are placed on the right platform, how many weights of the same kind must be placed on the left platform to balance the scale?

- A) 12
- B) 8
- C) 18
- D) 7
- E) 15

2078 You have a scale with two platforms. The left arm of the scale is four times the length of the right arm. If 48 identical weights are placed on the right platform, how many weights of the same kind must be placed on the left platform to balance the scale?

- A) 24
- B) 18
- C) 12
- D) 14
- E) 7

2079 Decide the correct sequence on the basis of the clues given below. For every wrong sequence, two kinds of digits are indicated: WP (number of correct digits in the right position, i.e. "well placed") or MP (number of correct digits in the wrong position, i.e. "misplaced").

ZYEE: 1 WP / 1 MP

ZEKB: 2 WP / 1 MP

ZYYB: 1 WP

KEEE: 3 WP

- A) ZEEK
- B) ZEEE
- C) KEEZ
- D) KEEB
- E) KEEK

2080 Decide the correct sequence on the basis of the clues given below. For every wrong sequence, two kinds of digits are indicated: WP (number of correct digits in the right position, i.e. "well placed") or MP (number of correct digits in the wrong position, i.e. "misplaced").

WOTT: 1 WP / 1 MP

WTMB: 2 WP / 1 MP

WOOB: 1 WP

MTTT: 3 WP

A) MTTB

B) WTTT

C) MTTW

D) WTTM

E) MTTM

2081 Decide the correct sequence on the basis of the clues given below. For every wrong sequence, two kinds of digits are indicated: WP (number of correct digits in the right position, i.e. "well placed") or MP (number of correct digits in the wrong position, i.e. "misplaced").

7355: 1 WP / 1 MP

7541: 2 WP / 1 MP

7331: 1 WP

4555: 3 WP

A) 7554

B) 7555

C) 4557

D) 5457

E) 4551

2082 Decide the correct sequence on the basis of the clues given below. For every wrong sequence, two kinds of digits are indicated: WP (number of correct digits in the right position, i.e. "well placed") or MP (number of correct digits in the wrong position, i.e. "misplaced").

□♣★★: 1 WP / 1 MP

□★♥*: 2 WP / 1 MP

□♣♣*: 1 WP

♥★★★★: 3 WP

A) □★★★★

B) ♥★★★★

C) ♥★★□

D) □★★♥

E) ♥★★*

2083 Decide the correct sequence on the basis of the clues given below. For every wrong sequence, two kinds of digits are indicated: WP (number of correct digits in the right position, i.e. "well placed") or MP (number of correct digits in the wrong position, i.e. "misplaced").

ZYTT: 1 WP / 1 MP

ZTMU: 2 WP / 1 MP

ZYYU: 1 WP

MTTT: 3 WP

A) MTTZ

B) MTTU

C) ZTTM

D) ZTTT

E) MTTM

2084 Decide the correct sequence on the basis of the clues given below. For every wrong sequence, two kinds of digits are indicated: WP (number of correct digits in the right position, i.e. "well placed") or MP (number of correct digits in the wrong position, i.e. "misplaced").

○♣★★: 1 WP / 1 MP

○★♠*: 2 WP / 1 MP

○♣♣*: 1 WP

♠★★★★: 3 WP

A) ♠★★○

B) ♠★★*

C) ○★★★★

D) ○★★♠

E) ♠★○♠

2085 Decide the correct sequence on the basis of the clues given below. For every wrong sequence, two kinds of digits are indicated: WP (number of correct digits in the right position, i.e. "well placed") or MP (number of correct digits in the wrong position, i.e. "misplaced").

3700: 1 WP / 1 MP

3025: 2 WP / 1 MP

3775: 1 WP

2000: 3 WP

A) 3000

B) 2003

C) 2005

D) 3002

E) 2002

2086 If the hands of a clock indicate 3:45 pm on Saturday, in 44 hours and 30 minutes, what time will it be?

A) 8:15 am on Wednesday

B) 12:15 pm on Monday

C) 12:15 am on Tuesday

D) 12:15 pm on Tuesday

E) 11:15 am on Monday

2087 If the hands of a clock indicate 7:30 pm on Saturday, in 52 hours and 45 minutes, what time will it be?

A) 12:15 pm on Wednesday

B) 12:15 am on Tuesday

C) 8:15 pm on Wednesday

D) 2:15 am on Tuesday

E) 11:15 pm on Tuesday

2088 If the hands of a clock indicate 9:45 pm on Saturday, in 56 hours and 30 minutes, what time will it be?

A) 5:15 am on Tuesday

B) 2:15 am on Wednesday

C) 6:15 am on Tuesday

D) 7:15 am on Tuesday

E) 6:15 pm on Wednesday

2089 If the hands of a clock indicate 2:30 am on Sunday, in 47 hours and 45 minutes, what time will it be?

- A) 2:15 pm on Wednesday
 - B) 10:15 pm on Tuesday
 - C) 1:15 am on Tuesday
 - D) 2:15 am on Monday
 - E) 2:15 am on Tuesday
-

2090 If the hands of a clock indicate 4:45 am on Sunday, in 51 hours and 30 minutes, what time will it be?

- A) 7:15 am on Tuesday
 - B) 4:15 am on Tuesday
 - C) 8:15 pm on Wednesday
 - D) 8:15 am on Monday
 - E) 8:15 am on Tuesday
-

2091 If the hands of a clock indicate 6:45 am on Sunday, in 54 hours and 30 minutes, what time will it be?

- A) 1:15 am on Wednesday
 - B) 1:15 pm on Tuesday
 - C) 9:15 am on Wednesday
 - D) 11:15 am on Tuesday
 - E) 12:15 pm on Tuesday
-

2092 If the hands of a clock indicate 9:45 am on Sunday, in 43 hours and 30 minutes, what time will it be?

- A) 1:15 am on Tuesday
 - B) 4:15 am on Tuesday
 - C) 5:15 pm on Wednesday
 - D) 5:15 am on Monday
 - E) 5:15 am on Tuesday
-

2093 If the hands of a clock indicate 10:45 am on Sunday, in 46 hours and 30 minutes, what time will it be?

- A) 9:15 am on Tuesday
 - B) 5:15 am on Tuesday
 - C) 9:15 pm on Wednesday
 - D) 9:15 am on Monday
 - E) 8:15 am on Tuesday
-

2094 If the hands of a clock indicate 12:30 pm on Sunday, in 50 hours and 45 minutes, what time will it be?

- A) 3:15 am on Wednesday
 - B) 11:15 am on Wednesday
 - C) 3:15 pm on Tuesday
 - D) 1:15 pm on Tuesday
 - E) 2:15 pm on Tuesday
-

2095 If the hands of a clock indicate 2:30 pm on Sunday, in 54 hours and 45 minutes, what time will it be?

- A) 9:15 pm on Tuesday
 - B) 5:15 pm on Wednesday
 - C) 9:15 pm on Wednesday
 - D) 10:15 pm on Tuesday
 - E) 8:15 pm on Tuesday
-

2096 If the hands of a clock indicate 5:30 pm on Sunday, in 42 hours and 45 minutes, what time will it be?

- A) 12:15 am on Wednesday
 - B) 8:15 am on Wednesday
 - C) 12:15 pm on Tuesday
 - D) 1:15 pm on Tuesday
 - E) 11:15 am on Tuesday
-

2097 If the hands of a clock indicate 8:30 pm on Sunday, in 48 hours and 45 minutes, what time will it be?

- A) 9:15 pm on Tuesday
 - B) 5:15 pm on Wednesday
 - C) 9:15 am on Wednesday
 - D) 10:15 pm on Tuesday
 - E) 8:15 pm on Tuesday
-

2098 If the hands of a clock indicate 10:30 pm on Sunday, in 52 hours and 45 minutes, what time will it be?

- A) 3:15 pm on Thursday
 - B) 3:15 am on Wednesday
 - C) 11:15 pm on Wednesday
 - D) 3:15 am on Tuesday
 - E) 2:15 am on Wednesday
-

2099 If the hands of a clock indicate 11:30 pm on Sunday, in 54 hours and 45 minutes, what time will it be?

- A) 6:15 am on Wednesday
 - B) 2:15 am on Wednesday
 - C) 6:15 pm on Thursday
 - D) 6:15 am on Tuesday
 - E) 5:15 am on Wednesday
-

2100 If the hands of a clock indicate 3:45 pm on Monday, in 52 hours and 30 minutes, what time will it be?

- A) 8:15 pm on Wednesday
 - B) 4:15 pm on Wednesday
 - C) 8:15 am on Thursday
 - D) 8:15 pm on Tuesday
 - E) 7:15 pm on Wednesday
-

2101 If the hands of a clock indicate 11:45 pm on Friday, in 48 hours and 30 minutes, what time will it be?

- A) 11:15 pm on Monday
 - B) 12:15 am on Monday
 - C) 12:15 pm on Tuesday
 - D) 12:15 am on Tuesday
 - E) 8:15 pm on Wednesday
-

2102 If the hands of a clock indicate 9:45 pm on Tuesday, in 52 hours and 30 minutes, what time will it be?

- A) 2:15 am on Friday
 - B) 2:15 pm on Thursday
 - C) 10:15 am on Wednesday
 - D) 2:15 pm on Tuesday
 - E) 1:15 pm on Thursday
-

2103 If the hands of a clock indicate 7:30 am on Sunday, in 56 hours and 45 minutes, what time will it be?

- A) 1:15 pm on Tuesday
- B) 12:15 pm on Wednesday
- C) 4:15 pm on Tuesday
- D) 4:15 am on Wednesday
- E) 3:15 pm on Tuesday

2104 A metal bar 1 metre long is suspended by its centre. At 20 cm from the left end hangs a 15 kg weight, while at the other end hangs a 12 kg weight. What must you do to balance the bar and keep it horizontal?

- A) Add to the weight hung on the right end another weight of 10 kg
- B) Add to the weight hung on the right end another weight of 5 kg
- C) Add to the weight hung on the left end another weight of 10 kg
- D) Nothing, the bar is already balanced
- E) Add to the weight hung on the left end another weight of 5 kg

2105 A metal bar 1 metre long is suspended by its centre. At 5 cm from the left end hangs a 10 kg weight, while at the other end hangs a 45 kg weight. What must you do to balance the bar and keep it horizontal?

- A) Add to the weight hung on the left end another weight of 36 kg
- B) Add to the weight hung on the right end another weight of 40 kg
- C) Add to the weight hung on the left end another weight of 40 kg
- D) Nothing, the bar is already balanced
- E) Add to the weight hung on the right end another weight of 36 kg

2106 A metal bar 1 metre long is suspended by its centre. At 5 cm from the left end hangs a 20 kg weight, while at the other end hangs a 36 kg weight. What must you do to balance the bar and keep it horizontal?

- A) Nothing, the bar is already balanced
- B) Add to the weight hung on the right end another weight of 20 kg
- C) Add to the weight hung on the left end another weight of 20 kg
- D) Add to the weight hung on the left end another weight of 18 kg
- E) Add to the weight hung on the right end another weight of 18 kg

2107 A metal bar 1 metre long is suspended by its centre. At 10 cm from the left end hangs a 10 kg weight, while at the other end hangs a 12 kg weight. What must you do to balance the bar and keep it horizontal?

- A) Add to the weight hung on the left end another weight of 5 kg
- B) Add to the weight hung on the right end another weight of 5 kg
- C) Add to the weight hung on the left end another weight of 4 kg
- D) Nothing, the bar is already balanced
- E) Add to the weight hung on the right end another weight of 4 kg

2108 A metal bar 1 metre long is suspended by its centre. At 10 cm from the left end hangs a 15 kg weight, while at the other end hangs a 48 kg weight. What must you do to balance the bar and keep it horizontal?

- A) Add to the weight hung on the right end another weight of 45 kg
- B) Add to the weight hung on the right end another weight of 36 kg
- C) Add to the weight hung on the left end another weight of 36 kg
- D) Nothing, the bar is already balanced
- E) Add to the weight hung on the left end another weight of 45 kg

-
- 2109 A metal bar 1 metre long is suspended by its centre. At 15 cm from the left end hangs a 15 kg weight, while at the other end hangs a 21 kg weight. What must you do to balance the bar and keep it horizontal?**
- A) Add to the weight hung on the right end another weight of 20 kg
 - B) Add to the weight hung on the right end another weight of 15 kg
 - C) Add to the weight hung on the left end another weight of 15 kg
 - D) Nothing, the bar is already balanced
 - E) Add to the weight hung on the left end another weight of 20 kg
-
- 2110 A metal bar 1 metre long is suspended by its centre. At 20 cm from the left end hangs a 5 kg weight, while at the other end hangs a 12 kg weight. What must you do to balance the bar and keep it horizontal?**
- A) Add to the weight hung on the left end another weight of 9 kg
 - B) Add to the weight hung on the left end another weight of 15 kg
 - C) Add to the weight hung on the right end another weight of 15 kg
 - D) Nothing, the bar is already balanced
 - E) Add to the weight hung on the right end another weight of 9 kg
-
- 2111 A metal bar 1 metre long is suspended by its centre. At 20 cm from the left end hangs a 10 kg weight, while at the other end hangs a 15 kg weight. What must you do to balance the bar and keep it horizontal?**
- A) Add to the weight hung on the left end another weight of 9 kg
 - B) Add to the weight hung on the left end another weight of 15 kg
 - C) Add to the weight hung on the right end another weight of 15 kg
 - D) Nothing, the bar is already balanced
 - E) Add to the weight hung on the right end another weight of 9 kg
-
- 2112 A metal bar 1 metre long is suspended by its centre. At 20 cm from the left end hangs a 15 kg weight, while at the other end hangs a 30 kg weight. What must you do to balance the bar and keep it horizontal?**
- A) Add to the weight hung on the right end another weight of 21 kg
 - B) Add to the weight hung on the right end another weight of 35 kg
 - C) Add to the weight hung on the left end another weight of 21 kg
 - D) Add to the weight hung on the left end another weight of 35 kg
 - E) Nothing, the bar is already balanced
-
- 2113 A metal bar 1 metre long is suspended by its centre. At 30 cm from the left end hangs a 5 kg weight, while at the other end hangs a 6 kg weight. What must you do to balance the bar and keep it horizontal?**
- A) Add to the weight hung on the left end another weight of 10 kg
 - B) Add to the weight hung on the right end another weight of 10 kg
 - C) Add to the weight hung on the left end another weight of 4 kg
 - D) Nothing, the bar is already balanced
 - E) Add to the weight hung on the right end another weight of 4 kg
-

- 2114 A metal bar 1 metre long is suspended by its centre. At 20 cm from the left end hangs a 30 kg weight, while at the other end hangs a 21 kg weight. What must you do to balance the bar and keep it horizontal?**
- A) Nothing, the bar is already balanced
 - B) Add to the weight hung on the right end another weight of 5 kg
 - C) Add to the weight hung on the left end another weight of 5 kg
 - D) Add to the weight hung on the left end another weight of 3 kg
 - E) Add to the weight hung on the right end another weight of 3 kg
-
- 2115 A metal bar 1 metre long is suspended by its centre. At 35 cm from the left end hangs a 45 kg weight, while at the other end hangs a 39 kg weight. What must you do to balance the bar and keep it horizontal?**
- A) Add to the weight hung on the left end another weight of 85 kg
 - B) Nothing, the bar is already balanced
 - C) Add to the weight hung on the left end another weight of 90 kg
 - D) Add to the weight hung on the right end another weight of 85 kg
 - E) Add to the weight hung on the right end another weight of 90 kg
-
- 2116 A metal bar 1 metre long is suspended by its centre. At 40 cm from the left end hangs a 10 kg weight, while at the other end hangs a 40 kg weight. What must you do to balance the bar and keep it horizontal?**
- A) Nothing, the bar is already balanced
 - B) Add to the weight hung on the left end another weight of 190 kg
 - C) Add to the weight hung on the left end another weight of 38 kg
 - D) Add to the weight hung on the right end another weight of 190 kg
 - E) Add to the weight hung on the right end another weight of 38 kg
-
- 2117 A metal bar 1 metre long is suspended by its centre. At 45 cm from the left end hangs a 35 kg weight, while at the other end hangs a 15 kg weight. What must you do to balance the bar and keep it horizontal?**
- A) Add to the weight hung on the left end another weight of 120 kg
 - B) Add to the weight hung on the right end another weight of 115 kg
 - C) Add to the weight hung on the left end another weight of 115 kg
 - D) Nothing, the bar is already balanced
 - E) Add to the weight hung on the right end another weight of 120 kg
-
- 2118 A metal bar 1 metre long is suspended by its centre. At 40 cm from the left end hangs a 45 kg weight, while at the other end hangs a 9 kg weight. What must you do to balance the bar and keep it horizontal?**
- A) Add to the weight hung on the left end another weight of 45 kg
 - B) Nothing, the bar is already balanced
 - C) Add to the weight hung on the right end another weight of 9 kg
 - D) Add to the weight hung on the right end another weight of 45 kg
 - E) Add to the weight hung on the left end another weight of 9 kg
-
- 2119 Paolo has 5 light bulbs apparently identical, but one of those is heavier than the others. If he has a scale with two platforms, how many weighings will she need to find it surely?**
- A) 2
 - B) 3
 - C) 4
 - D) 5
 - E) 1

2120 Sandra has 6 pins apparently identical, one of those is heavier than the others. If she has a scale with two platforms, how many weighings will she need to find it surely?

- A) 5
- B) 3
- C) 1
- D) 6
- E) 2

2121 A metal bar 1 metre long is suspended by its centre. At 35 cm from the left end hangs a 10 kg weight, while at the other end hangs a 24 kg weight. What must you do to balance the bar and keep it horizontal?

- A) Add to the weight hung on the right end another weight of 70 kg
- B) Add to the weight hung on the left end another weight of 70 kg
- C) Add to the weight hung on the left end another weight of 21 kg
- D) Nothing, the bar is already balanced
- E) Add to the weight hung on the right end another weight of 21 kg

2122 A metal bar 1 metre long is suspended by its centre. At 40 cm from the left end hangs a 10 kg weight, while at the other end hangs a 39 kg weight. What must you do to balance the bar and keep it horizontal?

- A) Add to the weight hung on the left end another weight of 37 kg
- B) Add to the weight hung on the right end another weight of 185 kg
- C) Add to the weight hung on the left end another weight of 185 kg
- D) Nothing, the bar is already balanced
- E) Add to the weight hung on the right end another weight of 37 kg

2123 A metal bar 1 metre long is suspended by its centre. At 15 cm from the right end hangs a 25 kg weight, while at the other end hangs a 21 kg weight. What must you do to balance the bar and keep it horizontal?

- A) Add to the weight hung on the left end another weight of 5 kg
- B) Nothing, the bar is already balanced
- C) Add to the weight hung on the left end another weight of 10 kg
- D) Add to the weight hung on the right end another weight of 10 kg
- E) Add to the weight hung on the right end another weight of 5 kg

2124 If the hands of a clock indicate 3:45 pm on Tuesday, in 40 hours and 15 minutes, what time will it be?

- A) 7 o' clock pm on Wednesday
- B) 5 o'clock pm on Wednesday
- C) 3 o'clock am on Thursday
- D) 8 o'clock am on Thursday
- E) 3 o'clock am on Friday

2125 A metal bar 1 metre long is suspended by its centre. At 20 cm from the left end hangs a 20 kg weight, while at the other end hangs a 15 kg weight. What must you do to balance the bar and keep it horizontal?

- A) Add to the weight hung on the right end another weight of 3 kg
- B) Add to the weight hung on the left end another weight of 5 kg
- C) Nothing, the bar is already balanced
- D) Add to the weight hung on the left end another weight of 3 kg
- E) Add to the weight hung on the right end another weight of 5 kg

2126 Martina has 11 tokens apparently identical, but one of those is heavier than the others. If she has a scale with two platforms, how many weighings will she need to find it surely?

- A) 4
- B) 6
- C) 3
- D) 10
- E) 5

2127 Carlotta has 5 bracelets apparently identical, one of those is heavier than the others. If she has a scale with two platforms, how many weighings will she need to find it surely?

- A) 1
- B) 4
- C) 2
- D) 3
- E) 5

2128 Lorna has 5 necklaces apparently identical, one of those is heavier than the others. If she has a scale with two platforms, how many weighings will she need to find it surely?

- A) 2
- B) 3
- C) 4
- D) 5
- E) 1

2129 In a final of a cross-country skiing competition, the order of classification from 1st to 7th place is the following: Aldo, Fausto, Ilaria, Gaia, Beatrice, Claudio, Enrico. Five of these seven guys use the “skating” technique, and it’s known that three between the top four and three between the last four classified use this kind of technique. It’s certain that who uses the “skating” technique is:

- A) Gaia
- B) Claudio
- C) Ilaria
- D) Fausto
- E) Enrico

2130 Along a straight sidewalk there are parked a motorcycle, a car, a minivan, a van and the guardian’s bicycle. The car is parked before the van and the motorcycle and this last one is parked after the minivan and before the guardian’s bicycle. Choose the correct order in which the vehicles are parked.

- A) Car – van – minivan – motorcycle – guardian’s bicycle
- B) Minivan – motorcycle – guardian’s bicycle – van – car
- C) Car – van – minivan – guardian’s bicycle – motorcycle
- D) Minivan – motorcycle – car – van – guardian’s bicycle
- E) Guardian’s bicycle – van – minivan – motorcycle – car

2131 Problem: three friends, Maria, Paola and Francesca often play with cards. If Francesca plays, she plays with Maria; Maria e Paola play both, but never together; it may happen that Francesca or Paola play with cards individually; but if Paola plays, also Francesca plays. If the previous statements are true, who is playing with cards?

- A) Paola and Francesca
- B) Francesca and Maria or Francesca and Paola
- C) Nobody
- D) Francesca and Maria
- E) Paola and Maria

2132 The double of X is equal to the half of Y.

(1) X is a number lower than Y

(2) $Y + X$ is a number in the range between 5 and 20

How much is X?

- A) The sufficient data to answer are included in the (1) but not in the (2)
- B) The sufficient data to answer are included in the (1) and in the (2) taken together
- C) None of other answers is correct
- D) The sufficient data to answer are included in the (2) but not in the (1)
- E) Data are not sufficient to find a unique solution

2133 Problem: Neri, Rossi and Bianchi play as full-back in the same football team. If Bianchi plays, Neri plays too; Neri and Rossi often play, but never together; Bianchi or Rossi often play, together or individually; moreover, if Rossi plays, also Bianchi is included in the team. Considering these presuppositions as true, who are full-backs that play together?

- A) Bianchi and Rossi
- B) None
- C) Bianchi, Rossi and Neri
- D) Bianchi and Neri
- E) Rossi and Neri

2134 On a two pan balance, some apples, peers and orange are weighed. All the single fruit of the same type has the identical weight. It's known that the balance is in equilibrium in two cases: if on the first plate there are 4 peers and on the second there are 6 oranges, and if on the first plate there are 3 oranges and on the second there are 2 apples. What does it happen if on the first plate there are 8 apples and 2 peers and on the second there are 13 oranges and 2 apples?

- A) The first plate goes down and the second raises
- B) It is not possible to answer with the reported data
- C) To make the plates be in equilibrium it is necessary to increase 2 oranges on the first plate
- D) The plates are in equilibrium
- E) The first plate raises and the second goes down

2135 Two twins have a very particular feature: one of them tells only lies on monday, wednesday and friday, and only the truth on the remaining days. The other twin tells only lies on tuesday, thursday and saturday, and only the truth on remaining days. On a certain day you hear the following dialogue: twin X: "Today is sunday"; twin Y: "Yestarday was sunday"; twin X: "It's summer". Which of the following statements is true?

- A) It's a summer sunday
- B) It's monday but not summer
- C) It's a summer monday
- D) It's a summer saturday
- E) It's sunday but not summer

2136 During a poker competition the order of classification from 1st to 7 th place is the following: Gaia, Fausto, Aldo, Beatrice, Claudio, Enrico. Five oh these seven players realized a four aces and it's known that it is realized by three between the top four and three between the last four classified. Surely who realized the four aces is:

- A) Claudio
- B) Ilaria
- C) Fausto
- D) Aldo
- E) Enrico

2137 A metal bar 1 metre long is suspended by its centre. At 20 cm from the left end hangs a 15 kg weight, while at the other end hangs a 12 kg weight. What must you do to balance the bar and keep it horizontal?

- A) Add to the weight hung on the left end another weight of 3 kg
- B) Add to the weight hung on the right end another weight of 5 kg
- C) Add to the weight hung on the right end another weight of 3 kg
- D) Nothing, the bar is already balanced
- E) Add to the weight hung on the left end another weight of 5 kg

2138 A metal bar 1 metre long is suspended by its centre. At 45 cm from the right end hangs a 15 kg weight, while at the other end hangs a 6 kg weight. What must you do to balance the bar and keep it horizontal?

- A) Add to the weight hung on the right end another weight of 9 kg
- B) Add to the weight hung on the right end another weight of 45 kg
- C) Nothing, the bar is already balanced
- D) Add to the weight hung on the left end another weight of 50 kg
- E) Add to the weight hung on the left end another weight of 45 kg

2139 A metal bar 1 metre long is suspended by its centre. At 20 cm from the left end hangs a 15 kg weight, while at the other end hangs a 12 kg weight. What must you do to balance the bar and keep it horizontal?

- A) Add to the weight hung on the right end another weight of 3 kg
- B) Add to the weight hung on the left end another weight of 50 kg
- C) Add to the weight hung on the left end another weight of 3 kg
- D) Nothing, the bar is already balanced
- E) Add to the weight hung on the left end another weight of 5 kg

2140 A metal bar 1 metre long is suspended by its centre. At 45 cm from the right end hangs a 15 kg weight, while at the other end hangs a 6 kg weight. What must you do to balance the bar and keep it horizontal?

- A) Add to the weight hung on the left end another weight of 50 kg
- B) Add to the weight hung on the right end another weight of 45 kg
- C) Nothing, the bar is already balanced
- D) Add to the weight hung on the left end another weight of 45 kg
- E) Add to the weight hung on the right end another weight of 50 kg

-
- 2141** Five trains A, B, C, D, and E, leave from the same station to five different cities. It known that:
I) C is faster than B but arrives after his one, that is the first to arrive at the destination;
II) A is the last one to arrive, in spite of the fact that is faster than D but slower than B;
III) E, the second traing to reach the destination, is faster than D, but slower than A.
According to all the previous conditions, the faster train is:
A) B
B) It's not possible to determine it
C) C
D) D
E) A
-
- 2142** Daniela has 11 stamps apparently identical, but one of those is heavier than the others. If she has a scale with two platforms, how many weighings will she need to find it surely?
A) None of the other answers is correct
B) 4
C) 5
D) 3
E) 6
-
- 2143** Daniela has 9 stamps apparently identical, but one of those is heavier than the others. If she has a scale with two platforms, how many weighings will she need to find it surely?
A) 2
B) 4
C) 5
D) 6
E) 9
-
- 2144** At the final of a cycling competition, the order of classification from 1st to 7th place is the following: Aldo, Beatrice, Fausto, Ilaria, Claudio, Enrico, Gaia. Five of these guys have the disc wheels and it's known that three of the top four and three of the last four classified have the disc wheels. It's certain that who uses the disc wheels is:
A) Ilaria
B) Beatrice
C) Enrico
D) Fausto
E) Claudio
-
- 2145** Alberto is fatter than Bruno. Bruno is fatter than Carlo, but thinner than Daniele. If the previous information are correct, if Franco is fatter than Bruno, it's necessarily true that:
A) Franco is fatter than Carlo
B) Franco is thinner than Alberto
C) Franco is fatter than Daniele
D) Franco is thinner than Daniele
E) Alberto is fatter than the others
-

2146 Decide the correct sequence on the basis of the clues given below. For every wrong sequence, two kinds of digits are indicated: WP (number of correct digits in the right position, i.e. "well placed") or MP (number of correct digits in the wrong position, i.e. "misplaced").

▢Δ: 1 WP / 2 MP

□#@&: 1 WP / 1 MP

#Δ□@: 1 WP / 2 MP

#\$Δ□: 3 WP

A) &\$Δ□

B) ##Δ□

C) #@Δ□

D) #\$Δ&

E) □\$Δ□

2147 A metal bar 1 metre long is suspended by its centre. At 15 cm from the right end hangs a 30 kg weight, while at the other end hangs a 42 kg weight. What must you do to balance the bar and keep it horizontal?

A) Add to the weight hung on the left end another weight of 30 kg

B) Nothing, the bar is already balanced

C) Add to the weight hung on the right end another weight of 21 kg

D) Add to the weight hung on the right end another weight of 30 kg

E) Add to the weight hung on the left end another weight of 21 kg

PASSAGE DM 97

Read the following text.

Five university students decide to start a band. The group of friends includes two girls (Sylvia and Lauren) and two boys (Mark, Peter and Richard). They come from Manchester, Brighton, Lancaster, Newcastle and Reading (not necessarily in this order). Four of them only play one single instrument: guitar, bass, saxophone and piano – not necessarily in this order – while the fifth person is the vocalist. We also know that:

a) Lauren plays the saxophone

b) Mark plays the bass

c) The pianist comes from Lancaster

d) The vocalist is female and comes from Reading

e) Richard comes from Manchester

2148 Answer the following question concerning **PASSAGE DM 97**

Which of the following CANNOT be inferred with certainty from the passage?

A) The person who plays the bass come from Newcastle or Brighton

B) Sylvia is the vocalist

C) Peter does not come either from Brighton or from Newcastle

D) Lauren comes from Brighton or Newcastle

E) Mark comes from Brighton

2149 Answer the following question concerning **PASSAGE DM 97**

From which of the following cities can the saxophonist come from?

A) Reading

B) It is impossible to determine with the information given

C) Manchester

D) Lancaster

E) Brighthon

2150 Answer the following question concerning PASSAGE DM 97**Who is the guitarist?**

- A) Lauren
- B) Peter
- C) Sylvia
- D) Richard
- E) Mark

2151 Answer the following question concerning PASSAGE DM 97**Which of the following can be inferred with certainty from the passage?**

- A) Newcastle is the place that the saxophonist comes from
- B) Lauren comes from Newcastle
- C) Sylvia is not from Reading
- D) Peter plays the piano
- E) Richard plays either the bass or the piano

2152 Answer the following question concerning PASSAGE DM 97**Who comes from Lancaster?**

- A) Richard
- B) Mark
- C) Sylvia
- D) Lauren
- E) Peter

2153 Answer the following question concerning PASSAGE DM 97**Considering only the information contained in the text from a) to d), we can infer with certainty that:**

- A) Lauren comes either from Newcastle or from Brighton
- B) Peter does not come from Manchester
- C) the guitarist is not from Reading
- D) Richard does not play the piano
- E) Mark plays the saxophone

PASSAGE DM 98**Read the text of the following problem.**

Six country houses (A, B, C, D, E, F) are connected each other by some roads. These roads connect directly:

- the country house A to the country house B;
- the country house B to the country house C;
- the country house B to the country house D;
- the country house D to the country house C;
- the country house C to the country house F;
- the country house D to the country house E.

2154 Answer the following question concerning PASSAGE DM 98**If a new road is built, that connect directly the country house A with the country house E, which of the following statements is true?**

- A) To go from the country house E to the country house C is necessary to pass for country house B
- B) To go from the country house A to the country house F, never travelling twice for the same road (for each journey), there are 3 possible ways
- C) To go from the country house A to the country house F, never travelling twice for the same road (for each journey), there are 5 possible ways
- D) To go from the country house E to the country house C is necessary to pass for country house D
- E) To go from the country house A to the country house E, never travelling twice for the same road (for each journey), there are 2 possible ways

2155 Answer the following question concerning PASSAGE DM 98**Which of the following statements is FALSE?**

- A) To go from the country house E to the country house C it is necessary pass by the country house B
- B) To go from the country house A to the country house F it is not necessary pass by the country house D
- C) To go from the country house F to the country house B it is necessary pass by the country house C
- D) To go from the country house E to the country house A it is not necessary pass by the country house C
- E) To go from the country house F to the country house A you can pass by the country house D

2156 Answer the following question concerning PASSAGE DM 98**Which of the following routes requires to walk more than one way?**

- A) From the country house D to the country house C
- B) From the country house F to the country house D
- C) From the country house C to the country house B
- D) From the country house E to the country house D
- E) From the country house C to the country house F

2157 Answer the following question concerning PASSAGE DM 98**How many different routes are there to go from the country house A to the country house F, never passing twice by the same way (for each route)?**

- A) Two
- B) One
- C) Three
- D) Four
- E) None, the two country houses are not connected to each other

PASSAGE DA 33**Read the passage and answer the related questions.**

Mrs. F, the wife of an Ambassador to the United Nations, is expecting a number of Delegates' wives for lunch. She wants every guest to be able to converse with at least one person sitting either on her right or on her left. She has therefore prepared the following list.

- Mrs. F only speaks English.
- Mrs. G only speaks English and French.
- Mrs. H speaks English and Russian.
- Mrs. J only speaks Russian.
- Mrs. K only speaks English.
- Mrs. L only speaks French.
- Mrs. M speaks French and German.
- Mrs. N speaks English and German.
- Mrs. O speaks English and French.
- Mrs. P speaks German and Russian.
- Mrs. Q speaks French and German.
- Mrs. R only speaks English.

2158 Answer the following question concerning PASSAGE DA 33

Mrs. F has opted for the following arrangement: R K G Q N F O L M P J H. At the last minute, however, Mrs. H and P let her know that they won't be able to attend the lunch. Which of the following changes makes it possible to respect Mrs. F's wishes anyway?

- I) Seating Mrs. J between Mrs. K and Mrs. G
- II) Seating Mrs. J between Mrs. Q and Mrs. F
- III) Seating Mrs. J on Mrs. N's right

- A) None of the three options
- B) Number I) or number II)
- C) Only number III)
- D) Number II) or number III)
- E) Only number I)

2159 Answer the following question concerning PASSAGE DA 33

If seven ladies sit in NGFROMQ order, which lady has to sit in the subsequent seat, knowing that it is the last seat and no other guest will seat after her?

- A) H
- B) L
- C) K
- D) J
- E) No lady could seat after the others in the given order for the rule to be followed

2160 Answer the following question concerning PASSAGE DA 33

Which of the following arrangements respects Mrs. F's wishes?

- I) FOLMPJHKGQNR
- II) FRNLPKHJGMQO
- III) FRGJHOLMQPKN

- A) Only number II)
- B) Number I) and number II)
- C) Number I) and number III)
- D) Only number I)
- E) Number II) and number III)

PASSAGE DB 23

Read the passage and answer the related questions.

Mark cannot bring himself to choose a sport to practise among four possible ones: volleyball, basketball, rugby and football. He has a chance to enter a team for each one of the possible sports: the teams are Ampdoria, Bilan, Catalanta and Dinter, not necessarily in this order. The four teams coaches are Esposito, Farioli, Ghizzoni and Hazan, not necessarily in this order. We also know that:

- Farioli coaches Ampdoria;
- the rugby team is coached by Hazan;
- the football team is called Dinter and is not coached by Ghizzoni;
- the basketball team's name is Bilan.

2161 Answer the following question concerning PASSAGE DB 23

Mark decided to practise the sport whose name is the third in alphabetical order. Which sport is it?

- A) The sport of the team coached by Esposito
- B) Football
- C) Volleyball
- D) The sport of the team coached by Hazan
- E) The sport of the team coached by Ghizzoni

2162 Answer the following question concerning PASSAGE DB 23

Based on the information given, which of the following statements is correct?

- A) Esposito coaches Dinter
- B) The volleyball team is called Catalanta
- C) Farioli coaches the football team
- D) The rugby team is called Ampdoria
- E) Ghizzoni coaches the volleyball team

2163 Answer the following question concerning PASSAGE DB 23

Catalanta is the:

- A) football team
- B) volleyball team
- C) rugby team
- D) team coached by Ghizzoni
- E) team coached by Esposito

PASSAGE DB 30

Read the following text.

Four friends – Mark, Andrew, David and John – own four cars of different colours (red, black, green and yellow) and play four different sports (basketball, ski, football and tennis). We know that:

- a) Mark owns the red car;
- b) the owner of the yellow car plays basketball;
- c) Andrew skis;
- d) the one who plays football owns the green car;
- e) John does not have a yellow car.

2164 Answer the following question concerning PASSAGE DB 30

Which sport does David play?

- A) Football
- B) Basketball
- C) Ski
- D) Tennis
- E) It cannot be determined with certainty

2165 Answer the following question concerning PASSAGE DB 30

Who plays tennis?

- A) Andrew
- B) Mark
- C) John
- D) The given data are insufficient for an answer
- E) David

2166 Answer the following question concerning PASSAGE DB 30

If we only consider the information given in items 2) to 5), we can infer that:

- A) Mark or David plays tennis
- B) Andrew owns the black car
- C) John or David plays tennis
- D) the green car belongs to either David or Mark
- E) the black car may belong to John, David or Mark

PASSAGE DB 33

Read the passage and answer the related questions.

Of six industrialists (Angus, Bernie, Claude, Daniel, Harvey, Fabian) we know that:

- 1) Angus and Daniel have the same wealth;
- 2) Harvey is the least poor of all of them;
- 3) Bernie is not the poorest one;
- 4) Claude is poorer than Daniel;
- 5) Angus is richer than Bernie;
- 6) exactly three industrialists are richer than Fabian.

2167 Answer the following question concerning PASSAGE DB 33

How many industrialists are richer than Bernie?

- A) 2
- B) 4
- C) 1
- D) 5
- E) 3

PASSAGE DD 04

Read the following text.

Given five married couples – Laura and Laurence, Phyllis and Philip, Alicia and Albert, Sarah and Simon, and Daniela and David), we have the following information about their children:

- The number of sons equals the number of daughters plus one;
- Sarah and Simon have one son and one daughter;
- Phyllis and Philip have one child;
- Alicia and Albert have the same number of children as Laura and Laurence;
- Laura and Laurence have three daughters and no sons;
- Daniela and David have fewer children than Phyllis and Philip.

2168 Answer the following question concerning PASSAGE DD 04

Is there a childless couple?

- A) Yes, Daniela and David
- B) Yes, Alicia and Albert
- C) Yes, Phyllis and Philip
- D) No, all the couples have children
- E) It is impossible to determine with the given information

2169 Answer the following question concerning PASSAGE DD 04

How many children have the five couples got in total?

- A) 10
- B) 7
- C) 11
- D) 9
- E) 13

2170 Answer the following question concerning PASSAGE DD 04

A sixth couple – Veronica and Vince – have got the same number of children as Alicia and Albert, and a number of daughters that is the same as half the daughters of all the five couples together. How many children and how many sons and daughters do Veronica and Vince have?

- A) 6, 3, 3
- B) 4, 2, 2
- C) 4, 3, 1
- D) 5, 2, 3
- E) 5, 3, 2

PASSAGE DD 37

Read the passage and answer the related questions.

Five office co-workers decide to found a mixed five-a-side football team. Among them are two girls (Serena and Laura) and three boys (Mario, Paul and Robert). Their cities of origin are: Manchester, Brighton, Leicester, New Hampton and Richmond, not necessarily in this order. Each one of them has a role to play: goalkeeper, right back, left back, midfielder and striker, not necessarily in this order. We also know that:

- Laura plays as a left back;
- Mario plays as a striker;
- the goalkeeper comes from Leicester;
- the midfielder is the girl from Richmond;
- Robert comes from Manchester.

2171 Answer the following question concerning PASSAGE DD 37

Which of the following CANNOT be inferred with certainty from the passage?

- A) Paul is neither from Brighton nor from New Hampton
- B) Mario comes from Brighton
- C) Serena plays as a midfielder
- D) Laura comes from either Brighton or New Hampton
- E) The right back comes from New Hampton

2172 Answer the following question concerning PASSAGE DD 37**From which city may the left back come from?**

- A) The given data are insufficient for an answer
- B) Manchester
- C) Richmond
- D) Leicester
- E) Brighton

2173 Answer the following question concerning PASSAGE DD 37**Who is the left back?**

- A) Robert
- B) Paul
- C) Laura
- D) Serena
- E) The given data are insufficient for an answer

PASSAGE EC 72**Read the passage and answer the related questions.**

Five young sculptors attend the Academy of fine Arts. Their names are Albert, Louis, Carla, David and Julia. They are working on statues representing Jupiter, Venus, Bacchus, Neptune and Minerva, not necessarily in this order. Each of them uses only one of the following materials: marble, clay, plaster, bronze and wood, not necessarily in this order. We also know that:

- 1) Carla is the author of the wooden statue;
- 2) David made the clay statue;
- 3) the plaster statues represents Venus;
- 4) a man is the author of the bronze statue representing Jupiter;
- 5) Louis built a statue of Neptune.

2174 Answer the following question concerning PASSAGE EC 72**Considering only items 1) to 4), we can be sure that:**

- A) the statue of Venus was made by a female
- B) Julia may be the author of the statue representing Neptune
- C) Albert made either the marble or the plaster statue
- D) the statue of Minerva can be only made either of wood or clay
- E) Louis is the author of the statue representing Venus

2175 Answer the following question concerning PASSAGE EC 72**Which of the following statements CANNOT be assumed with certainty?**

- A) Carla made the statue representing Minerva
- B) Louis made the marble statue
- C) Albert made the Jupiter statue
- D) Julia made the plaster statue
- E) David is the author either of the Minerva or of the Bacchus

2176 Answer the following question concerning PASSAGE EC 72**Who made the bronze statue?**

- A) Carla
- B) David
- C) Julia
- D) Louis
- E) Albert

PASSAGE EC 73

Read the passage and answer the related questions.

Five young long-distance runners run a training race. Their names are Gerard, Oliver, Roberta, Dean and Stephanie. They come from Vancouver, Richmond, Boston, Montreal and London (not necessarily in this order). We also know that:

- a) Roberta came fifth;
- b) Dean came second;
- c) the one who came third is from Richmond;
- d) the girl who came fourth is from Vancouver;
- e) Oliver is from Montreal.

2177 Answer the following question concerning PASSAGE EC 73

Considering all the information given in the passage, who came fourth?

- A) Dean
- B) Stephanie
- C) Gerard
- D) Roberta
- E) Oliver

2178 Answer the following question concerning PASSAGE EC 73

Which of the following CANNOT be inferred with certainty from the passage?

- A) Oliver came first
- B) Dean comes from either London or Boston
- C) Roberta comes from London
- D) Gerard comes from Richmond
- E) Stephanie came fourth

2179 Answer the following question concerning PASSAGE EC 73

Considering only the information contained in the text from 1) to 4), we can infer with certainty that:

- A) Gerard may be from Montreal
- B) Gerard comes from Montreal, London or Boston
- C) the person who is from London came either second or fifth
- D) Roberta is from either London or Boston
- E) Oliver comes from Richmond

PASSAGE ED 75

Read the passage and answer the related questions.

Five Blue Chips – Alpha, Beta, Gamma, Delta and Omega – are analysed. Their sectors are: Insurance, Banking, Chemistry, Energy and Technology (not necessarily in this order). Quotations of the five Blue Chips recorded the following trends throughout the analysed period: +1%, -1%, +2%, -2% e +0%, not necessarily in this order.

We also know that:

- 1) Omega is in the Energy sector
- 2) Alpha is in the Banking sector
- 3) The Blue Chip of the Chemical sector reported no changes in its quotation
- 4) Delta is in the Technology sector and had a positive trend
- 5) Gamma recorded a 1% increase

2180 Answer the following question concerning PASSAGE ED 75

Which of the following CANNOT be inferred with certainty from the passage?

- A) Alpha registered a decrease equal to 2%
- B) The Banking sector Blue Chip registered a decrease
- C) Delta registered a 2% increase
- D) Omega registered a decrease
- E) Beta did not register a decrease

2181 Answer the following question concerning PASSAGE ED 75**Which quotation variation may the Energy sector Blue Chip have recorded?**

- A) A 2% increase
- B) Either a 2% increase or a 2% decrease
- C) A 2% decrease
- D) A 1% increase
- E) Either a 1% increase or a 1% decrease

2182 Answer the following question concerning PASSAGE ED 75**Which of the following can be inferred with certainty from the passage?**

- A) The Blue Chip in the Energy sector registered a 2% decrease
- B) Beta registered a 2% increase
- C) Omega registered a 1% decrease
- D) Beta did not register either a decrease or an increase
- E) The Blue Chip in the Insurance sector did not register any changes

2183 Answer the following question concerning PASSAGE ED 75**Which Blue Chip had a 1% increase?**

- A) Gamma
- B) Delta
- C) It cannot be inferred with the given data
- D) Apha
- E) Beta

2184 Answer the following question concerning PASSAGE ED 75**Based only on items 1, 2, 3 and 4, which of the following can be inferred with certainty from the text?**

- A) Alpha registered a negative change
- B) It is not possible to determine the result registered by Beta
- C) Omega registered a decrease
- D) The Blue Chip in the Energy sector registered a positive or negative change equal to 1% of its quotation
- E) Gamma is in the Insurance sector

PASSAGE ED 78**Read the passage and answer the related questions.**

The cash movements of a company (expressed in thousands of euros) are examined with reference to one week, from Monday to Friday, knowing that there is one movement a day. We know that:

- the final balance on Wednesday amounts to 35;
- the company does not have a cash advance facility and therefore the daily balance cannot go below 0, and there are no residual funds from the previous week;
- the supplier is paid on the last useful day;
- salaries make up the largest cash outflow;
- the three cash outflows are to the Treasury, a supplier and to pay for salaries, and they amount to 10, 15 and 20 (not necessarily in this order);
- cash inflows come from a client's payment and a bank's loan and amount to 20 and 30 (not necessarily in this order);
- the bank grants the loan only after the company has duly paid its taxes.

2185 Answer the following question concerning PASSAGE ED 78**What further information is needed to calculate Tuesday's final balance?**

- A) The change in the day when the supplier is paid
- B) None of the other alternatives is correct
- C) No further information is needed: Tuesday's final balance is already known and it is 5 euros
- D) The fact that Tuesday's final balance is a number that will also be registered on another day of the week
- E) No further information is needed: Tuesday's final balance is already known and it is 15 euros

2186 Answer the following question concerning PASSAGE ED 78**Salaries are paid on:**

- A) Friday
- B) Thursday
- C) Tuesday
- D) Wednesday
- E) Monday

2187 Answer the following question concerning PASSAGE ED 78**The following was registered on Friday:**

- A) a final balance equal to one fourth of the one registered on Monday
- B) an outflow of 15 to pay the supplier
- C) an outflow of 20 to pay salaries
- D) a final balance equal to one sixth of the one registered on Monday
- E) an outflow of 10 to pay the supplier

PASSAGE ED 79**Read the passage and answer the related questions.**

The cash movements of a company (expressed in thousands of euros) are examined with reference to one week, from Monday to Friday, knowing that there is one movement a day. We know that:

- the final balance on Wednesday amounts to 40;
- the company does not have a cash advance facility and therefore the daily balance cannot go below 0, and there are no residual funds from the previous week;
- salaries are paid on the last useful day;
- payment of the supplier makes up the largest cash outflow;
- the three cash outflows are to the Treasury, a supplier and to pay for salaries, and they amount to 15, 20 and 25 (not necessarily in this order);
- cash inflows come from a client's payment and a bank's loan and amount to 25 and 35 (not necessarily in this order);
- the bank grants the loan only after the company has duly paid its taxes.

2188 Answer the following question concerning PASSAGE ED 79**The following was registered on Friday:**

- A) a final balance equal to one sixth of the one registered on Monday
- B) an outflow of 25 to pay salaries
- C) a final balance equal to one fourth of the one registered on Monday
- D) an outflow of 15 to pay salaries
- E) a final balance equal to one eighth of the one registered on Wednesday

2189 Answer the following question concerning PASSAGE ED 79**What further information is needed to calculate Tuesday's final balance?**

- A) The change in the day when salaries are paid
- B) No further information is needed: Tuesday's final balance is already known and it is 0 euros
- C) No further information is needed: Tuesday's final balance is already known and it is 15 euros
- D) The fact that Tuesday's final balance is a number that will also be registered on another day of the week
- E) None of the other alternatives is correct

2190 Answer the following question concerning PASSAGE ED 79**The supplier is paid on:**

- A) Friday
- B) Monday
- C) Tuesday
- D) Thursday
- E) Wednesday

PASSAGE ED 80

Read the passage and answer the related questions.

Five currencies – Dinar, Florin, Rupee, Sestertius and Thaler – are analysed. They are legal tender in countries of the following continents or subcontinents: Asia, Central America, Europe, Middle East and Oceania, not necessarily in this order. Throughout the analysed period the five currencies have either risen (by 1%, 2% and 3%) or decreased (by 3% and 4%), not necessarily in this order, against the Dollar. We also know that:

1. The Thaler is a Middle Eastern currency
2. The Dinar is legal tender in a Central American country
3. The exchange rate of the European currency against the Dollar registered the most significant change
4. The Sestertius is legal tender in Oceania and registered a depreciation of its exchange rate against the dollar
5. The Rupee registered a 2% appreciation in its exchange rate against the Dollar.

2191 Answer the following question concerning PASSAGE ED 80

Which of the following CANNOT be inferred with certainty from the passage?

- A) The exchange rate of the Central American currency against the Dollar registered an appreciation
- B) The Sestertius registered a 3% depreciation in its exchange rate against the Dollar
- C) The Dinar registered a 3% appreciation in its exchange rate against the Dollar
- D) The Thaler did not register a depreciation
- E) The Florin registered a depreciation

2192 Answer the following question concerning PASSAGE ED 80

Which currency registered a 4% depreciation against the Dollar?

- A) It cannot be determined with the given data
- B) The Central American currency
- C) Sestertius
- D) Florin
- E) Thaler

2193 Answer the following question concerning PASSAGE ED 80

Based only on information 1, 2, 3 and 4, which of the following can be inferred with certainty from the text?

- A) The exchange rate of the Rupee against the Dollar raised in value
- B) The exchange rate of the Florin against the Dollar raised in value
- C) The exchange rate of the Asian currency against the Dollar raised in value
- D) The exchange rates of the Thaler and the Dinar against the Dollar raised in value by 1% and 2%, not necessarily in this order
- E) The exchange rate of the European currency against the Dollar raised in value

2194 Answer the following question concerning PASSAGE ED 80

Which of the following can be inferred with certainty from the passage?

- A) The exchange rate of the Florin against the Dollar raised in value by 1%
- B) The exchange rate of the Oceanian currency against the Dollar depreciated by 3%
- C) The exchange rate of the Central American currency against the Dollar raised in value by 3%
- D) The exchange rate of the Thaler against the Dollar raised in value by 1%
- E) The exchange rate of the Sestertius against the Dollar depreciated by 4%

2195 Answer the following question concerning PASSAGE ED 80

What variation may have recorded the Middle East currency in the exchange rate against the Dollar?

- A) An appreciation or a depreciation, but in any case equal to 2%
- B) An appreciation or a depreciation, but in any case equal to 3%
- C) A depreciation
- D) A 3% appreciation
- E) A 2% appreciation

PASSAGE ED 81

Read the passage and answer the related questions.

A market analysis surveys 5 five goods on sale in a shop: A, B, C, D and E. Their retail prices (in euros) are: 60, 80, 100, 120 and 160 (not necessarily in this order). They are sold with the following discounts: 5%, 10%, 20%, 25% and 30% (not necessarily in this order). We also know that:

1. D was sold at € 152
2. C was sold at € 48
3. the highest percentage discount was on the good with the selling price of € 120
4. B was sold with a € 25 discount
5. A was sold with a lower percentage discount than C.

2196 Answer the following question concerning PASSAGE ED 81

Which good was sold with a 12 € discount?

- A) C
- B) A
- C) D
- D) It cannot be determined with the given data
- E) E

2197 Answer the following question concerning PASSAGE ED 81

Which of the following statements concerning the discount applied to the selling price of A is correct?

- A) It was a 10% discount
- B) It was a 10 € discount
- C) It was half the discount applied to the selling price of D
- D) It was the lowest percentage discount
- E) It was a 25% discount

2198 Answer the following question concerning PASSAGE ED 81

Which of the following can be inferred with certainty from the passage?

- A) The selling price of C was 80 euros
- B) C was sold with a 25% discount
- C) The discount in absolute terms on the price of A was the same as the discount on the price of D
- D) The selling price of E is lower than the selling price of B
- E) The selling price of B was 120 euros

2199 Answer the following question concerning PASSAGE ED 81

Based only on information 1, 2, 3 and 4, which of the following can be inferred with certainty from the text?

- A) The selling price of B was the lowest
- B) The selling price of B was higher than that of E
- C) The percentage discount applied to the selling price of E cannot be determined
- D) A was sold with a 30% discount
- E) A was sold with a 10% discount

2200 Answer the following question concerning PASSAGE ED 81

Which of the following CANNOT be inferred with certainty from the text?

- A) The discount on the price of D was lower than the discount on the price of B
- B) A was sold at 72 euro
- C) The percentage discount applied to the selling price of C is higher than that applied to the selling price of B
- D) The discount on the selling price of C was 20%
- E) The discount on the price of A was lower than the discount on the price of C

PASSAGE EL 87

Read the passage and answer the related questions.

Five colleagues – Aldous, Beatrix, Gordon, Daniel and Olga – work in different offices: Warehouse, Editorial Office, Web Office, Call Center and Commercial Office, not necessarily in this order. One day they are talking about their length of service in the company and it emerges that they have been hired in the following years: 1995, 1999, 2003, 2005, 2006, not necessarily in this order.

We also know that:

1. Olga works in the Call Center
2. Aldous works in the Editorial Office
3. the person who works in the Web Office was hired in 2003
4. Daniel works in the Commercial Office and he was hired after the year 2000
5. Gordon was hired in 2005.

2201 Answer the following question concerning PASSAGE EL 87

Which of the following can be inferred with certainty from the passage?

- A) Olga was hired after Beatrix
- B) Gordon works in the Web Office
- C) Beatrix was not hired before the year 2000
- D) Aldous was hired before Olga
- E) Daniel was hired before Gordon

2202 Answer the following question concerning PASSAGE EL 87

Which of the five colleagues was hired in 2003?

- A) Beatrix
- B) Olga
- C) Aldous
- D) It cannot be determined with the given data
- E) Daniel

2203 Answer the following question concerning PASSAGE EL 87

The person who works in the Call center was hired, with certainty:

- A) in 1999
- B) in 2005
- C) it cannot be inferred with certainty: it might be either year 1995 or year 1999
- D) in 1995
- E) after 2000

2204 Answer the following question concerning PASSAGE EL 87

Which of the following CANNOT be inferred with certainty from the passage?

- A) Gordon works in the Warehouse
- B) Olga was hired before 2000
- C) Aldous was hired in 1995
- D) Beatrix was hired in 2003
- E) Daniel was hired in 2006

2205 Answer the following question concerning PASSAGE EL 87

Based only on information 1, 2, 3 and 4, which of the following can be inferred with certainty from the text?

- A) Olga was the first to be hired
- B) The colleague who work in the Call Center has been working in the company for the longest time
- C) The year when Beatrix was hired cannot be determined with certainty
- D) Beatrix works in the Web Office
- E) Aldous was the first to be hired

PASSAGE GB 09

Read the passage and answer the related questions.

Five brothers celebrate their birthdays in different months. Each of them was born in a different year, two years after his elder brother, between 1985 and 1993. Determine the month and year when each brother was born, knowing that:

- 1) Paul was born in March but not in 1993. Albert wasn't born either in 1989 or in 1991;
- 2) the brother who was born in 1987 celebrates his birthday before Bernard and Mike;
- 3) Thomas wasn't born in February and is not the second, the third or the fourth son;
- 4) Mike wasn't born in December and is either the eldest or the youngest son. The brother who was born in June was born in 1985;
- 5) Thomas celebrates his birthday before Bernard, who wasn't born in 1991. Mike wasn't born in July.

2206 Answer the following question concerning PASSAGE GB 09

Who was born in December?

- A) Mike
- B) Thomas
- C) Albert
- D) Bernard
- E) Paul

2207 Answer the following question concerning PASSAGE GB 09

In which month was Mike born?

- A) July
- B) March
- C) February
- D) December
- E) June

2208 Answer the following question concerning PASSAGE GB 09

Based on the information given in the passage, which of the following statements is certainly true?

- A) Paul is the youngest son
- B) The brother whose birthday is in July wasn't born either in 1989 or in 1991
- C) Albert was born in February 1989
- D) The brother who was born in 1991 celebrates his birthday in February
- E) Bernard is the eldest son

2209 Answer the following question concerning PASSAGE GB 09

Considering only the information contained in the text from 1) to 3), what can we infer?

- A) Paul is not the youngest son, but Thomas might be
- B) Albert is the second son
- C) Paul's birthday is before Thomas' but after Bernard's
- D) Thomas is older than Mike
- E) Thomas is certainly the eldest son

PASSAGE GB 11

Read the passage and answer the related questions.

Five friends who love cooking, each of them working in a different field, enrol for an evening cooking class. During the first meeting participants are asked to prepare their favourite dish. We know that:

- 1) The friend who works as a fireman makes delicious lasagna, but it isn't Anthony;
- 2) Steven, whose surname is not Newman, is not a factory worker;
- 3) Mr. Branson owns a shop. John, whose surname is not Martin, is a bartender and doesn't make veal escalopes with lemon sauce;
- 4) Paul cooks chicken chasseur but he is not a factory worker. Anthony's surname is not Newman;
- 5) Frank Gibson doesn't make veal escalopes with lemon sauce. Steven, whose surname is not Martin, cooks an excellent sirloin steak and he is not a clerk;
- 6) Mr. Sassen, whose name is not Anthony, prepares calamari following a recipe of his mother's and he is not a clerk.

2210 Answer the following question concerning PASSAGE GB 11

Based only on information 1, 2, 3 and 4, which of the following can be inferred with certainty from the text?

- A) John made sirloin steak or calamari or escalopes
- B) Steven is neither a factory worker nor a clerk
- C) The factory worker is either Anthony or Frank
- D) Paul is not a bartender but his surname is certainly either Branson or Gibson
- E) Mr. Newman is a factory worker

2211 Answer the following question concerning PASSAGE GB 11

Which of the following statements is certainly true?

- A) The friend who works as a fireman made lasagna and his name is Steven Gibson
- B) Mr. Martin's name is Anthony, he is a factory worker and made chicken chasseur
- C) Frank is a fireman, his surname is Gibson, and he didn't make the sirloin steak
- D) The bartender made calamari and his name is Anthony Sassen
- E) The factory worker is John Sassen

2212 Answer the following question concerning PASSAGE GB 11

Which of the following statements is FALSE?

- A) Anthony did not make lasagna and his surname is not Branson
- B) Neither Frank nor John cooked veal escalopes with lemon sauce
- C) Steven Branson made the sirloin steak
- D) Frank Gibson didn't make veal escalopes with lemon sauce but he is a factory worker
- E) John made calamari and he is not a shop owner

2213 Answer the following question concerning PASSAGE GB 11

Which of the five friends works as a clerk?

- A) Anthony Martin
- B) Paul Newman
- C) John Branson
- D) Either Steven or Frank
- E) Either Frank or Anthony

2214 Answer the following question concerning PASSAGE GB 11

Which of the five friends made veal escalopes with lemon sauce?

- A) Anthony Martin
- B) Anthony Branson
- C) Frank Gibson
- D) John Sassen
- E) John Newman

PASSAGE GB 14

Read the text of the following problem.

Eugenia has got 9 coins in her pocket, for a total amount of 3.48 euros. It's known that:

- 1) coins in euro have cuts of 2.00 €, 1.00 €, 50 cents, 20 cents, 10 cents, 2 cents and 1 cent;
- 2) two coins are bimetallic (that means, composed of two metals, like the 1.00 € and 2.00 €);
- 3) there is at least one 1 cent coin;
- 4) the total amount of the copper coins (like the 1, 2, 5 cent ones) is equal to 8 cents;
- 5) there aren't 10 cent coins.

2215 Answer the following question concerning PASSAGE GB 14

In Eugenia's pocket:

- A) There are one or more 2 cent coins certainly, but it's impossible to establish the exact number
- B) There are not 2 cent coins certainly
- C) There can be or not 2 cent coins
- D) There is only one 2 cent coin certainly
- E) There are three 2 cent coins certainly

2216 Answer the following question concerning PASSAGE GB 14

To the question "Can you change a 5 cent coin in lower coins?", Eugenia will answer:

- A) positively, but if only the interlocutor accepts the combination 2+1+1+1
- B) negatively
- C) positively, proposing the combination 2+2+1 or the combination 2+1+1+1
- D) it is not possible to establish it
- E) positively, but if only the interlocutor accepts the combination 2+2+1

2217 Answer the following question concerning PASSAGE GB 14

The coin of higher value contained in Eugenia's pocket:

- A) It is certainly a 50 cent coin
- B) It could be both a 2.00 euro coin and a 1.00 euro coin, but it is not possible to establish which of them
- C) It is certainly a 2.00 euro coin
- D) It could be both a 2.00 euro coin and a 1.00 euro coin or a 50 cent coin, but it is not possible to establish it exactly
- E) It is certainly a 1.00 euro coin

2218 Answer the following question concerning PASSAGE GB 14

Considering only the ipothesis 1), 2) and 4), and assuming that there is not any 1 cent coin, the number of 10 cents coins is certainly:

- A) 2
- B) 1
- C) 0
- D) 3
- E) 4

2219 Answer the following question concerning PASSAGE GB 14

If there is at least one 50 cent coin, the 20 cent coins are:

- A) as many as the 2 cent coins
- B) missing
- C) more than the 50 cent coins
- D) as many as the 50 cent coins
- E) less than 2 cent coins

PASSAGE GB 19

Read the passage and answer the related questions.

The railway network of Calisota consists in only one line, without ramifications, that connects the cities of Topolinia, Paperopoli, Ocopoli, Anatropoli, Gallinopoli and Struzzopoli (not necessarily in this order). No train, during the journey, reverses the direction of travel that is always from west to east. It's also known that:

- 1) traveling between Paperopoli and Topolinia, you meet at least an intermediate station;
- 2) the fast trains from Anatropoli and Ocopoli, don't stop at Paperopoli station, even if this could be possible;
- 3) some trains coming from Anatropoli, go further to Ocopoli, until they arrive to Topolinia;
- 4) between Gallinopoli and Paperopoli, you meet exactly two intermediate stations;
- 5) Struzzopoli is the third station.

2220 Answer the following question concerning PASSAGE GB 19

In how many intermediate stations, at most, can a train, leaving from Gallinopoli, stops, before arriving to the destination?

- A) 1
- B) 3
- C) 2
- D) 4
- E) It's not possible to determine it

2221 Answer the following question concerning PASSAGE GB 19

How many the stations there are between Gallinopoli to Ocopoli?

- A) 3
- B) It's not possible to determine it
- C) 4
- D) 2
- E) 1

2222 Answer the following question concerning PASSAGE GB 19

Between the following routes, which is certainly valid for a train of the railway line?

- A) Anatropoli – Struzzopoli – Topolinia – Ocopoli
- B) Struzzopoli – Paperopoli – Ocopoli – Topolinia
- C) Topolinia – Paperopoli – Gallinopoli – Anatropoli
- D) Gallinopoli – Struzzopoli – Topolinia – Paperopoli
- E) Anatropoli – Paperopoli – Struzzopoli – Ocopoli

2223 Answer the following question concerning PASSAGE GB 19

Which of the following stations is certainly linked to Anatropoli with a railway line without intermediate stations?

- A) Struzzopoli
- B) Topolinia
- C) Ocopoli
- D) Paperopoli
- E) It's not possible to determine it

PASSAGE GB 22

Read the text of the following problem.

The new take-away pizzeria Pizza Pazza, has 6 pizzas in the menu; all, except the Pizza Margherita, contains one or two additional ingredients, more than the two classicals: tomato and mozzarella. The same additional ingredient can't be put in more than two pizzas. It's known that:

- 1) if two pizzas contain a different number of additional ingredients, the pizza that has more ingredients is certainly more expensive than other;
- 2) the pizza Curiosa, in sale for 5.00 euros, contains salmon and Egg plants;
- 3) the pizza Appetitosa, which contains salmon and black olives, is the more expensive (6.00 €): all other pizzas cost less than this one. The cheaper pizza is the Margherita (4.00 €);
- 4) the pizza Scoiattolosa has only one additional ingredient, walnuts, that not appear in any other pizza;
- 5) the prices of the pizzeria, for a single pizza, are all multiple of 0.50 €;
- 6) in a same pizza you can't never find two additional ingredients belonging to the same category, where, for category, it means the following three: vegetables and vegetal products, fish and meat (including cold cuts); cheeses and dairy products.

2224 Answer the following question concerning PASSAGE GB 22

Which can be a possible composition for the pizza Fantasiosa, which costs 5.50 euros?

- A) Tomato, mozzarella, salmon
- B) Tomato, mozzarella, aubergines
- C) Tomato, mozzarella, sausage and walnuts
- D) Tomato, mozzarella, cottage cheese and pineapple
- E) Tomato, mozzarella, sausage and tuna

2225 Answer the following question concerning PASSAGE GB 22

Three friends order three different pizzas, but all with two additional ingredients. Which of the following sum does NOT correspond certainly to the total amount paid by friends for the three pizzas?

- A) 17.50 €
- B) 17.00 €
- C) 16.50 €
- D) 16.00 €
- E) 15.00 €

2226 Answer the following question concerning PASSAGE GB 22

Remembering the information reported in the text, in general, how many are pizzas that have two additional ingredients offered by pizzeria Pizza Pazza?

- A) 2, 3 or 4, but it's impossible to establish it exactly
- B) 3
- C) 4 or 5, but it's impossible to establish it exactly
- D) 4
- E) 5

PASSAGE GB 28

Read the passage and answer the related questions.

A group of friends is visiting the renowned art city of Civitabella, where several tourist attractions can be found: the Town Hall, the Cathedral, the Royal Palace, the Gardens, the Wax Museum and the Euripides Theatre. The friends want to visit the attractions together, but each of them has got specific requirements:

- 1) everyone agrees on waking up early because they want to visit at least two attractions in the morning, before lunchtime;
- 2) Claire and Martine would prefer to visit the Royal Palace after dinner because they read that its atmosphere in the moonlight is unforgettable;
- 3) James knows an excellent restaurant near the Town Hall and the Wax Museum, so these places will be visited around lunchtime (one before lunch and the other soon after);
- 4) Adrian has got a medical problem with his leg and he'd rather visit a maximum of three places in the morning as well as in the afternoon, in order not to tire himself too much;
- 5) due to its opening times, the Euripides Theatre must be visited in the morning;

After much discussion, the friends finally manage to draw a schedule that satisfies everyone's needs.

2227 Answer the following question concerning PASSAGE GB 28

The friends read their guidebook again and notice that the Cathedral is only open in the morning. This means they have to change their plans. The new schedule necessarily requires:

- A) Adrian's preference to be violated in order not to be forced to renounce visiting one of the attractions
- B) exactly three attractions to be visited in the morning
- C) the first morning attraction to be the Wax Museum
- D) the first morning attraction to be the Euripides Theatre
- E) exactly two attractions to be visited in the morning

2228 Answer the following question concerning PASSAGE GB 28

According to the friends' schedule, the second attraction to be visited during the day will be:

- A) the Wax Museum
- B) it cannot be determined
- C) the Euripides Theatre
- D) the Gardens
- E) the Town Hall

2229 Answer the following question concerning PASSAGE GB 28

According to the friends' schedule, the first attraction to be visited after dinner will be:

- A) the Cathedral
- B) the Royal Palace
- C) the Gardens
- D) chosen among the Royal Palace, the Gardens or the Cathedral
- E) chosen between the Cathedral and the Gardens

2230 Answer the following question concerning PASSAGE GB 28

According to the friends' schedule, the visit to the Gardens will be followed by that to the Town Hall. It can be inferred that:

- A) exactly two places will be visited after dinner
- B) exactly two places will be visited in the afternoon
- C) exactly three places will be visited in the afternoon
- D) the visit to the Wax Museum will follow soon after the visit to the Euripides Theatre
- E) the visit to the Wax Museum will follow soon after the visit to the Cathedral

PASSAGE GB 29

Read the passage and answer the related questions.

A tourist destination lies on a remote island where there is only one coffee bar. The bar owner manages the supplies of water bottles with extreme care in order to avoid running out of them. Just like every Sunday – the bars' weekly closing day – today a stock inventory of bottles of water is being held. We know that:

- 1) today's inventory has found that only 24 bottles of water are available, while last Sunday's inventory registered 90;
 - 2) weekly supplies came on Tuesday and Friday before opening time. Both times 25 cases containing 12 bottles each were delivered;
 - 3) Wednesday was the day with the lowest number of sales, only 55 bottles – fewer than on every other day of the week;
 - 4) Friday was the day with the greatest number of sales: 155 bottles – more than on every other day of the week;
 - 5) on Thursday evening, at closing time, only 30 bottles were left in stock
- We also know that each bottle is sold at 1.00 €.

2231 Answer the following question concerning PASSAGE GB 29

Considering only hypotheses 1), 2), 3, and 5), the highest take the bar could have on Monday is:

- A) 90 €
- B) 55 €
- C) 56 €
- D) 193 €
- E) 34 €

2232 Answer the following question concerning PASSAGE GB 29

Considering only hypotheses 1), 2), 3, and 5), the highest take the bar could have on Thursday is:

- A) 34 €
- B) 90 €
- C) 55 €
- D) 56 €
- E) 193 €

2233 Answer the following question concerning PASSAGE GB 29

On Saturday, the overall take for the sale of water bottles was:

- A) 151 €
- B) 24 €
- C) between 99 € and 145 € but the exact amount cannot be determined
- D) between 55 € and 155 € but the exact amount cannot be determined
- E) between 56 € and 154 € but the exact amount cannot be determined

2234 Answer the following question concerning PASSAGE GB 29

If sixty customers asked for a bottle of water each on Thursday, the bar owner:

- A) would be able to satisfy a maximum of 30 requests
- B) would be able to satisfy a maximum of 56 requests
- C) would be able to satisfy a maximum of 55 requests
- D) would certainly be able to satisfy all requests
- E) none of the other alternatives is correct

2235 Answer the following question concerning PASSAGE GB 29

Knowing that the supplier charges the bar owner 0.50 € for each bottle, the weekly proceeds of the sale of water bottles will be:

- A) 33 €
- B) 333 €
- C) 183 €
- D) 288 €
- E) it cannot be determined

PASSAGE GB 92

Read the following text.

Vincent and Rita are getting married soon. They have five days (from Monday to Friday) to visit Vincent's three aunts and Rita's three aunts to deliver them their wedding invitation. As all their aunts are real chatterboxes, the couple of fiancées plan to visit just one aunt a day, always in the afternoon. Exceptionally, on one of the set days, they will have to visit two aunts in one single afternoon. It is also known that:

- 1) aunt Adele is leaving for her holidays on Thursday morning, so they will have to visit her on Wednesday at the latest;
- 2) aunt Beatrice and aunt Charlotte are coming back from their holidays on Wednesday evening;
- 3) aunt Dorianne is very jealous of aunt Franny, so the couple prefer to visit the latter only after visiting the former, so that Dorianne won't accuse them of showing a preference for Franny;
- 4) aunt Eliza is a pharmacist, and this week she is going to be on duty at the shop on Monday, Wednesday and Thursday. Therefore, she won't be able to meet them on those days;
- 5) aunt Franny lives in a quite remote location, so the couple won't be able to visit both her and another aunt the same day.

2236 Answer the following question concerning PASSAGE GB 92

Which of the following aunts will the fiancées surely visit on Monday?

- A) It cannot be determined
- B) Adele
- C) Dorianne
- D) Charlotte
- E) Beatrice

2237 Answer the following question concerning PASSAGE GB 92

If the couple visit aunt Franny on Tuesday, on Wednesday they will have to visit:

- A) aunt Dorianne only
- B) one aunt only, but it cannot be determined which aunt it will be
- C) two aunts, but their names cannot be determined
- D) aunts Dorianne and Charlotte
- E) aunt Adele only

2238 Answer the following question concerning PASSAGE GB 92

If the fiancées visit aunt Franny on Friday, they will visit aunt Dorianne:

- A) surely on Monday
- B) on Tuesday, Wednesday or Thursday, but it is impossible to infer on which of these days
- C) either on Monday or Wednesday, but it is impossible to infer on which of these days
- D) on Monday, Tuesday or Thursday, but it is impossible to infer on which of these days
- E) surely on Thursday

PASSAGE GB 93

Read the passage and answer the related questions.

For an Olympic competition, in every edition of the Games, three medals are awarded (gold, silver and bronze) to as many athletes. In every edition, each participant State has the right to participate with one and only one athlete. With reference to the same Olympic specialty, it is known that:

- 1) considering the last three editions of the Games, Austria gets overall three medals, while Belgium and Canada get two medals each;
- 2) in the last edition, the silver medal is gone to Denmark;
- 3) in the penultimate edition, the gold medal is gone to Estonia;
- 4) in the third to last edition, the bronze medal is gone to Austria;
- 5) considering the last three editions of the Games, no Country has won twice the same medal.

2239 Answer the following question concerning PASSAGE GB 93

In the third from last edition, which Country did occupy the podium? (The sequence may be different from the sequence of award).

- A) Austria, Belgium and Estonia
- B) Austria, Belgium and Canada
- C) Austria, Canada and Denmark
- D) Austria, Belgium and Denmark
- E) Austria, Denmark and Estonia

2240 Answer the following question concerning PASSAGE GB 93

Considering the last three editions of the Games, the podium was occupied exclusively by European Countries:

- A) just in occasion of the second from last edition
- B) just in occasion of the third from last edition
- C) in only one edition, but it's not possible to determine which one
- D) just in occasion of the last edition
- E) in two editions, but it's not possible to determine which ones

PASSAGE GL 95

Read the passage and answer the related questions.

The British currency system worked as follows before 15 February 1971:

- one pound was made up of 20 shillings
- each shilling was made up of 12 pence
- a half crown was worth two shillings and six pence, so one pound was worth 8 half crowns.

2241 Answer the following question concerning PASSAGE GL 95

What was the value of £ 2.50?

- A) 25 shillings, 150 pence and 10 half crowns
- B) 25 shillings and 300 pence
- C) 10 half crowns and 150 pence
- D) 25 shillings and 30 half crowns
- E) 75 shillings

2242 Answer the following question concerning PASSAGE GL 95

50 shillings and 600 pence made up:

- A) 50 shillings, 300 pence and 20 half crowns
- B) 5 pounds
- C) 20 half crowns and 300 pence
- D) 50 shillings and 60 half crowns
- E) 5.50 pounds

2243 Answer the following question concerning PASSAGE GL 95**What was the value of £ 7.50?**

- A) 30 half crowns and 450 pence
 - B) 75 shillings, 450 pence and 30 half crowns
 - C) 75 shillings and 900 pence
 - D) 75 shillings and 90 half crowns
 - E) 225 shillings
-

2244 Answer the following question concerning PASSAGE GL 95**What was the value of £ 3.50?**

- A) 35 shillings and 42 half crowns
 - B) 35 shillings and 210 pence
 - C) 14 half crowns and 210 pence
 - D) 105 shillings
 - E) 35 shillings, 210 pence and 7 half crowns
-

2245 Answer the following question concerning PASSAGE GL 95**What was the value of £ 5?**

- A) 50 shillings and 300 pence
 - B) 150 shillings
 - C) 20 half crowns and 300 pence
 - D) 50 shillings and 60 half crowns
 - E) 50 shillings, 300 pence and 10 half crowns
-

2246 Answer the following question concerning PASSAGE GL 95**What was the value of £ 3?**

- A) 90 shillings
 - B) 30 shillings and 180 pence
 - C) 30 shillings, 180 pence and 12 half crowns
 - D) 30 shillings and 36 half crowns
 - E) 12 half crowns and 360 pence
-

2247 Answer the following question concerning PASSAGE GL 95**What was the value of £ 7?**

- A) 70 shillings and 84 half crowns
 - B) 70 shillings and 420 pence
 - C) 70 shillings, 420 pence and 28 half crowns
 - D) 28 half crowns and 840 pence
 - E) 210 shillings
-

2248 Answer the following question concerning PASSAGE GL 95**What was the value of £ 8?**

- A) 240 shillings
 - B) 80 shillings and 32 half crowns
 - C) 80 shillings, 480 pence and 32 half crowns
 - D) 32 half crowns and 2880 pence
 - E) 80 shillings and 480 pence
-

2249 Answer the following question concerning PASSAGE GL 95

20 shillings and 240 pence made up:

- A) 8 half crowns and 120 pence
 - B) 20 shillings, 120 pence and 8 half crowns
 - C) 20 shillings and 24 half crowns
 - D) 2 pounds
 - E) 2.50 pounds
-

2250 Answer the following question concerning PASSAGE GL 95

75 shillings and 900 pence made up:

- A) 7.50 pounds
 - B) 75 shillings, 450 pence and 30 half crowns
 - C) 30 half crowns and 450 pence
 - D) 75 shillings and 90 half crowns
 - E) 8 pounds
-

2251 Answer the following question concerning PASSAGE GL 95

65 shillings, 390 pence and 13 half crowns made up:

- A) 6.50 pounds
 - B) 65 shillings and 390 pence
 - C) 26 half crowns and 390 pence
 - D) 65 shillings and 78 half crowns
 - E) 7 pounds
-

2252 Answer the following question concerning PASSAGE GL 95

80 shillings, 480 pence and 16 half crowns made up:

- A) 80 shillings and 96 half crowns
 - B) 80 shillings and 480 pence
 - C) 32 half crowns and 480 pence
 - D) 8 pounds
 - E) 8.50 pounds
-

2253 Answer the following question concerning PASSAGE GL 95

16 half crowns and 480 pence made up:

- A) 120 shillings
 - B) 40 shillings and 240 pence
 - C) 4 pounds
 - D) 4.50 pounds
 - E) 40 shillings, 240 pence and 16 half crowns
-

2254 Answer the following question concerning PASSAGE GL 95

18 half crowns and 540 pence made up:

- A) 5 pounds
 - B) 45 shillings and 270 pence
 - C) 45 shillings, 270 pence and 18 half crowns
 - D) 135 shillings
 - E) 4.50 pounds
-

2255 Answer the following question concerning PASSAGE GL 95

30 shillings and 12 half crowns made up:

- A) 12 half crowns and 1080 pence
 - B) 30 shillings and 180 pence
 - C) 3.50 pounds
 - D) 3 pounds
 - E) 90 shillings
-

2256 Answer the following question concerning PASSAGE GL 95

35 shillings and 14 half crowns made up:

- A) 4 pounds
 - B) 3.50 pounds
 - C) 35 shillings and 210 pence
 - D) 14 half crowns and 1260 pence
 - E) 105 shillings
-

2257 Answer the following question concerning PASSAGE GL 95

What was the value of £ 2.50?

- A) 25 shillings, 150 pence and 5 half crowns
 - B) 25 shillings and 150 pence
 - C) 10 half crowns and 150 pence
 - D) 25 shillings and 30 half crowns
 - E) 75 shillings
-

2258 Answer the following question concerning PASSAGE GL 95

What was the value of £ 3.00?

- A) 90 shillings
 - B) 30 shillings and 180 pence
 - C) 12 half crowns and 180 pence
 - D) 30 shillings and 36 half crowns
 - E) 30 shillings, 180 pence and 6 half crowns
-

2259 Answer the following question concerning PASSAGE GL 95

What was the value of £ 6.00?

- A) 60 shillings, 360 pence and 12 half crowns
 - B) 60 shillings and 360 pence
 - C) 24 half crowns and 360 pence
 - D) 60 shillings and 72 half crowns
 - E) 180 shillings
-

2260 Answer the following question concerning PASSAGE GL 95

What was the value of £ 2.00?

- A) 20 shillings, 120 pence and 8 half crowns
 - B) 8 half crowns and 240 pence
 - C) 20 shillings and 120 pence
 - D) 20 shillings and 24 half crowns
 - E) 60 shillings
-

2261 Answer the following question concerning PASSAGE GL 95

What was the value of £ 2.50?

- A) 25 shillings and 150 pence
 - B) 25 shillings and 30 half crowns
 - C) 25 shillings, 150 pence and 10 half crowns
 - D) 10 half crowns and 300 pence
 - E) 75 shillings
-

2262 Answer the following question concerning PASSAGE GL 95

What was the value of £ 6.50?

- A) 26 half crowns and 780 pence
 - B) 65 shillings and 390 pence
 - C) 65 shillings, 390 pence and 150 half crowns
 - D) 65 shillings and 78 half crowns
 - E) 195 shillings
-

2263 Answer the following question concerning PASSAGE GL 95

What was the value of £ 7.50?

- A) 75 shillings and 450 pence
 - B) 225 shillings
 - C) 75 shillings, 450 pence and 30 half crowns
 - D) 25 shillings and 9 half crowns
 - E) 30 half crowns and 150 pence
-

2264 Answer the following question concerning PASSAGE GL 95

What was the value of £ 3.00?

- A) 12 half crowns and 1080 pence
 - B) 30 shillings and 180 pence
 - C) 30 shillings, 180 pence and 12 half crowns
 - D) 30 shillings and 12 half crowns
 - E) 90 shillings
-

2265 Answer the following question concerning PASSAGE GL 95

What was the value of £ 4.00?

- A) 40 shillings and 16 half crowns
 - B) 40 shillings and 240 pence
 - C) 40 shillings, 240 pence and 16 half crowns
 - D) 16 half crowns and 1440 pence
 - E) 120 shillings
-

2266 Answer the following question concerning PASSAGE GL 95

25 shillings and 300 pence made up:

- A) 10 half crowns and 150 pence
 - B) 25 shelling, 150 pence and 10 half crowns
 - C) 2.50 pounds
 - D) 25 shelling and 30 half crowns
 - E) 3 pounds
-

2267 Answer the following question concerning PASSAGE GL 95

70 shillings and 840 pence made up:

- A) 7 pounds
 - B) 75 shelling, 450 pence and 28 half crowns
 - C) 28 half crowns and 420 pence
 - D) 70 shelling and 84 half crowns
 - E) 7.50 pounds
-

2268 Answer the following question concerning PASSAGE GL 95

25 shillings, 150 pence and 5 half crowns made up:

- A) 3 pounds
 - B) 25 shelling and 150 pence
 - C) 10 half crowns and 150 pence
 - D) 25 shelling and 30 half crowns
 - E) 2.50 pounds
-

2269 Answer the following question concerning PASSAGE GL 95

12 half crowns and 360 pence made up:

- A) 90 shellings
 - B) 30 shelling and 180 pence
 - C) 3 pounds
 - D) 3.50 pounds
 - E) 30 shelling, 180 pence and 12 half crowns
-

2270 Answer the following question concerning PASSAGE GL 95

32 half crowns and 960 pence made up:

- A) 8 pounds
 - B) 80 shelling and 480 pence
 - C) 80 shelling, 480 pence and 32 half crowns
 - D) 8.50 pounds
 - E) 240 shellings
-

2271 Answer the following question concerning PASSAGE GL 95

25 shellings and 10 half crowns made up:

- A) 3 pounds
 - B) 25 shelling and 150 pence
 - C) 2.50 pounds
 - D) 10 half crowns and 900 pence
 - E) 75 shellings
-

2272 Answer the following question concerning PASSAGE GL 95

75 shellings and 30 half crowns made up:

- A) 8 pounds
 - B) 75 shelling and 450 pence
 - C) 225 shellings
 - D) 30 half crowns and 2700 pence
 - E) 7.50 pounds
-

PASSAGE HM 05

Read the passage and answer the related questions.

Henry works in a circus. He is in charge of feeding caged animals. He starts working at 6,30 a.m., when he is still alone in there. We know that:

- 1) Henry spends 15 minutes in front of each cage
- 2) tigers are fed earlier than elephants, but later than monkeys
- 3) horses are fed 15 minutes after monkeys
- 4) lions are fed after elephants.

2273 Answer the following question concerning PASSAGE HM 05

When will elephants be fed?

- A) At 6:30
- B) At 7:15
- C) At 7:00
- D) At 6:45
- E) At 7:30

2274 Answer the following question concerning PASSAGE HM 05

When will lions be fed?

- A) At 7:15
- B) At 6:30
- C) At 7:00
- D) At 7:30
- E) At 6:45

2275 Answer the following question concerning PASSAGE HM 05

At 6:45 Henry will feed:

- A) lions
- B) monkeys
- C) tigers
- D) horses
- E) elephants

2276 Answer the following question concerning PASSAGE HM 05

At 7:15 Henry will feed:

- A) monkeys
- B) horses
- C) tigers
- D) elephants
- E) lions

2277 Answer the following question concerning PASSAGE HM 05

At 7:30 Henry will feed:

- A) monkeys
- B) lions
- C) tigers
- D) elephants
- E) horses

2278 Answer the following question concerning PASSAGE HM 05

The first cage that Henry visits is:

- A) the lions' cage
 - B) the monkeys' cage
 - C) the tigers' cage
 - D) the horses' cage
 - E) the elephants' cage
-

2279 Answer the following question concerning PASSAGE HM 05

The second cage that Henry visits is:

- A) the lions' cage
 - B) the monkeys' cage
 - C) the tigers' cage
 - D) the horses' cage
 - E) the elephants' cage
-

2280 Answer the following question concerning PASSAGE HM 05

The fifth cage that Henry visits is:

- A) the lions' cage
 - B) the horses' cage
 - C) the tigers' cage
 - D) the elephants' cage
 - E) the monkeys' cage
-

2281 Answer the following question concerning PASSAGE HM 05

What animals will be fed immediately before horses?

- A) Lions
 - B) Tigers
 - C) Elephants
 - D) Monkeys
 - E) Either monkeys or tigers, but it is impossible to determine which
-

2282 Answer the following question concerning PASSAGE HM 05

What animals will be fed immediately before tigers?

- A) Either horses or elephants, but it is impossible to determine which
 - B) Tigers
 - C) Elephants
 - D) Lions
 - E) Horses
-

2283 Answer the following question concerning PASSAGE HM 05

What animals will be fed immediately before lions?

- A) Elephants
 - B) Horses
 - C) Tigers
 - D) Lions
 - E) Either elephant or tigers, but it is impossible to determine which
-

2284 Answer the following question concerning PASSAGE HM 05

Which animal will be fed immediately before the elephants?

- A) Lions
- B) Tigers
- C) Elephants
- D) Horses
- E) Lions or tigers, it is not possible to determine it

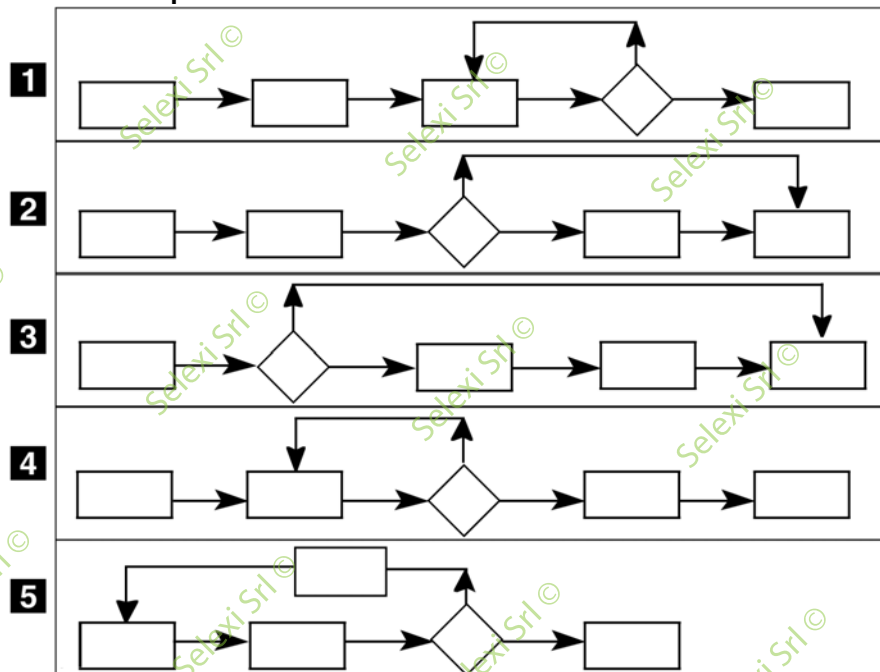
2285 Answer the following question concerning PASSAGE HM 05

Considering only the first three conditions, which of the following statements is FALSE?

- A) Horses could be fed between 6:45 am and 7:15 am
- B) there are not sufficient information to determine with for certain at what time the tigers could be fed
- C) Monkeys could be fed at 7:15 am
- D) Certainly elephants could not be fed as first
- E) Tigers are not fed as last

DIAGRAM SZ 00

In the flowcharts in the figure, a rectangle represents an action performed with only one possible outcome, and a diamond indicates a choice with two possible outcomes.



2286 Answer the following question concerning DIAGRAM SZ 00

Indicate which diagram corresponds exactly to GOING TO THE CINEMA, as it correctly represents the following sequence of actions:

WITHDRAWING 200 EUROS FROM A CASH MACHINE

- entering card
- inserting PIN
- checking money availability

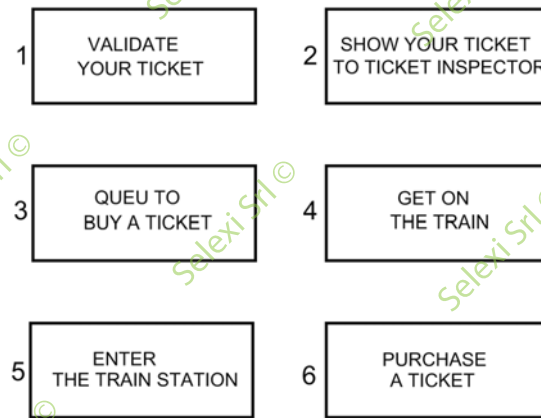
If the desired sum is available:

- withdrawing money
- picking up card

If the desired sum is not available:

- picking up card

- A) Diagram 3
- B) Diagram 2
- C) Diagram 5
- D) Diagram 4
- E) Diagram 1

DIAGRAM SZ 03

2287 Answer the following question concerning DIAGRAM SZ 03

Look at the schema and determine the correct sequence of actions to be performed when TRAVELLING BY TRAIN.

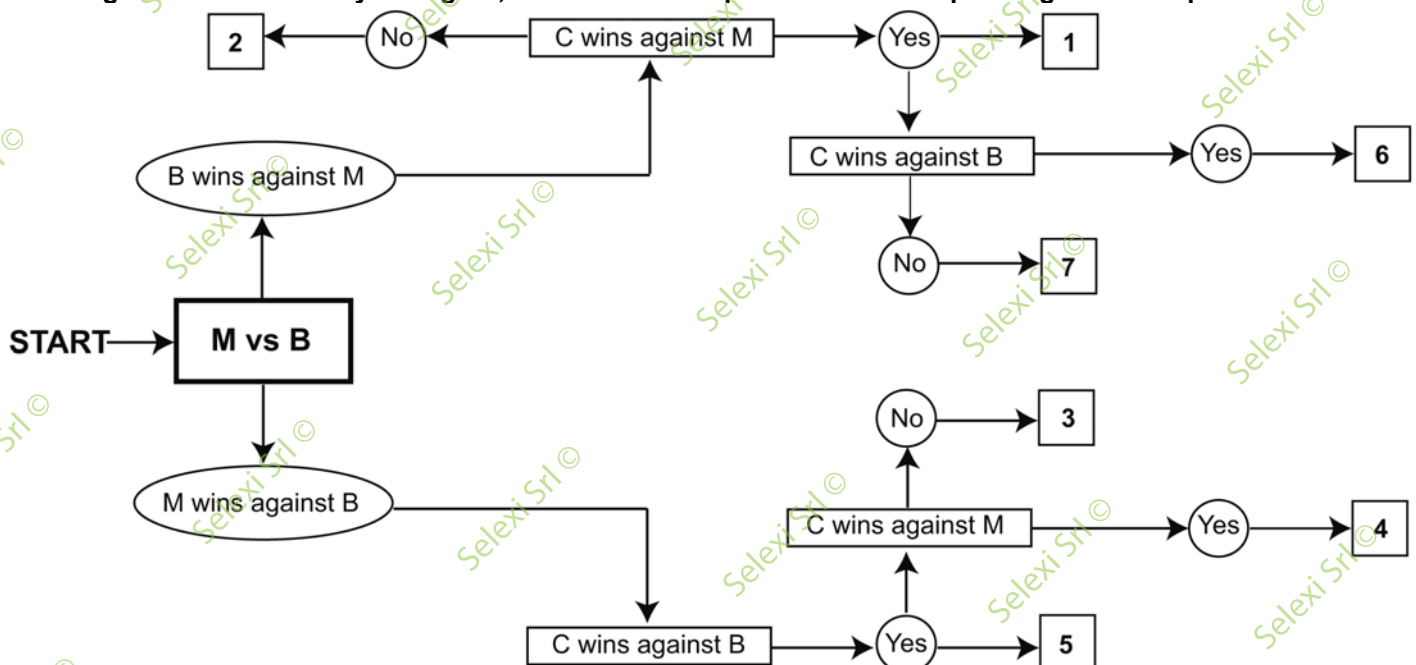
- A) 6, 1, 3, 5, 4, 2
- B) 6, 5, 4, 2, 1, 3
- C) 5, 4, 3, 6, 1, 2
- D) 5, 3, 6, 1, 4, 2
- E) 5, 3, 2, 6, 4, 1

DIAGRAM SZ 08

A research is surveying the destinations that Italians prefer for their holidays. The comparison is made by confronting three different kinds of destinations two by two, and always asking which is the favorite between the two. The research thus aims at establishing an order of preference.

M = mountain destination, B = beach resort, C = arts cities

By following the chart shown by the figure, find the order of preference corresponding to each square.



2288 Answer the following question concerning DIAGRAM SZ 08

Find the order of preference resulting at box "6" of the diagram.

- A) No order of preference can be determined
- B) More than one order of preference is possible
- C) CMB
- D) CBM
- E) BMC

2289 Answer the following question concerning DIAGRAM SZ 08

Find the order of preference resulting at box "1" of the diagram.

- A) BMC
- B) More than one order of preference is possible
- C) MBC
- D) MCB
- E) CMB

2290 Answer the following question concerning DIAGRAM SZ 08

In which of the following boxes can you have more than one order of preference?

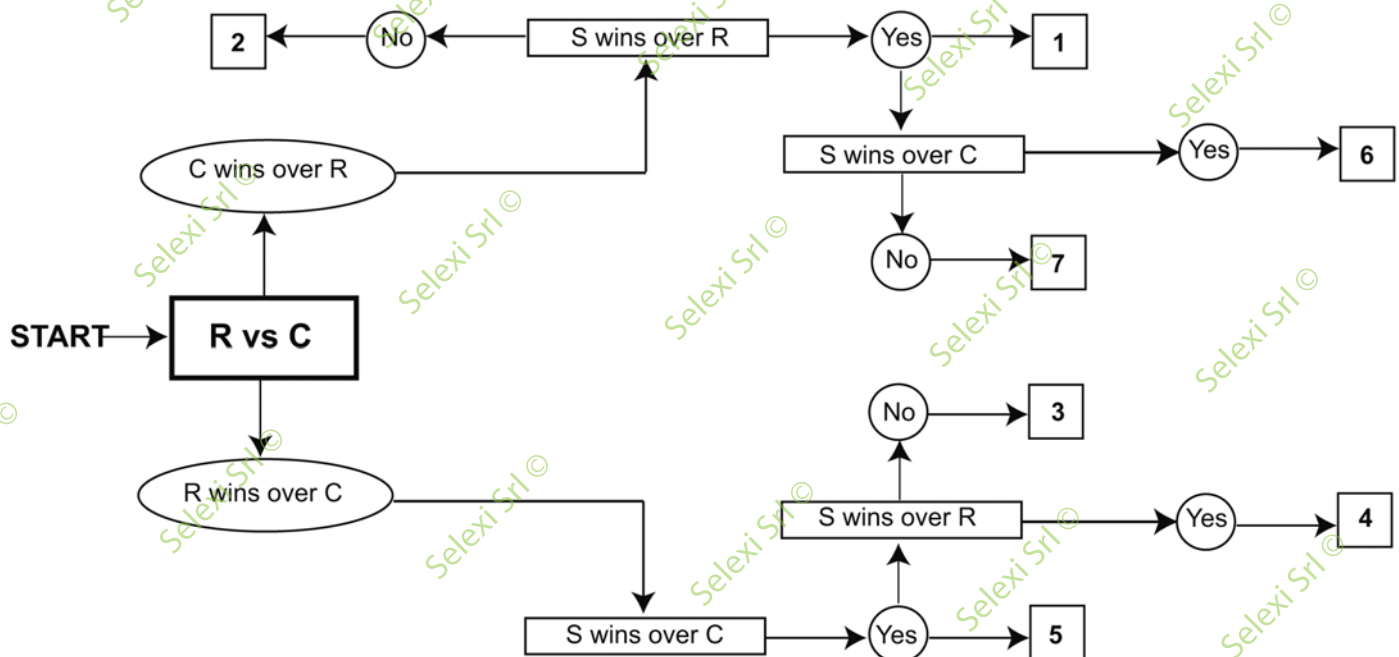
- A) Box 3
- B) None of the boxes listed in the other answers
- C) Box 5
- D) Box 4
- E) Box 7

DIAGRAM SZ 10

A market research is surveying Italians' favourite hobbies. Results are obtained by comparing three different hobbies two by two, and always asking which is the favourite between the two. The research thus aims at establishing an order of preference.

R = reading; C = cinema; S = sports

By following the chart shown in the figure, find the order of preference corresponding to each box.



2291 Answer the following question concerning DIAGRAM SZ 10

Find the order of preference resulting at box "1" of the diagram.

- A) SCR
- B) More than one order of preference is possible
- C) CRS
- D) No order of preference can be determined
- E) RSC

2292 Answer the following question concerning DIAGRAM SZ 10

Find the order of preference resulting at box "2" of the diagram.

- A) RSC
- B) CRS
- C) More than one order of preference is possible
- D) No order of preference can be determined
- E) SCR

2293 Answer the following question concerning DIAGRAM SZ 10**Find the order of preference resulting at box "3" of the diagram.**

- A) RSC
 - B) CRS
 - C) More than one order of preference is possible
 - D) No order of preference can be determined
 - E) SCR
-

2294 Answer the following question concerning DIAGRAM SZ 10**Find the order of preference resulting at box "7" of the diagram.**

- A) More than one order of preference is possible
 - B) It is impossible to determine an order of preference
 - C) SRC
 - D) CSR
 - E) CRS
-

2295 Answer the following question concerning DIAGRAM SZ 10**Find the order of preference resulting at box "4" of the diagram.**

- A) It is impossible to determine an order of preference
 - B) SCR
 - C) More than one order of preference is possible
 - D) SRC
 - E) RCS
-

2296 Answer the following question concerning DIAGRAM SZ 10**Find the order of preference resulting at box "6" of the diagram.**

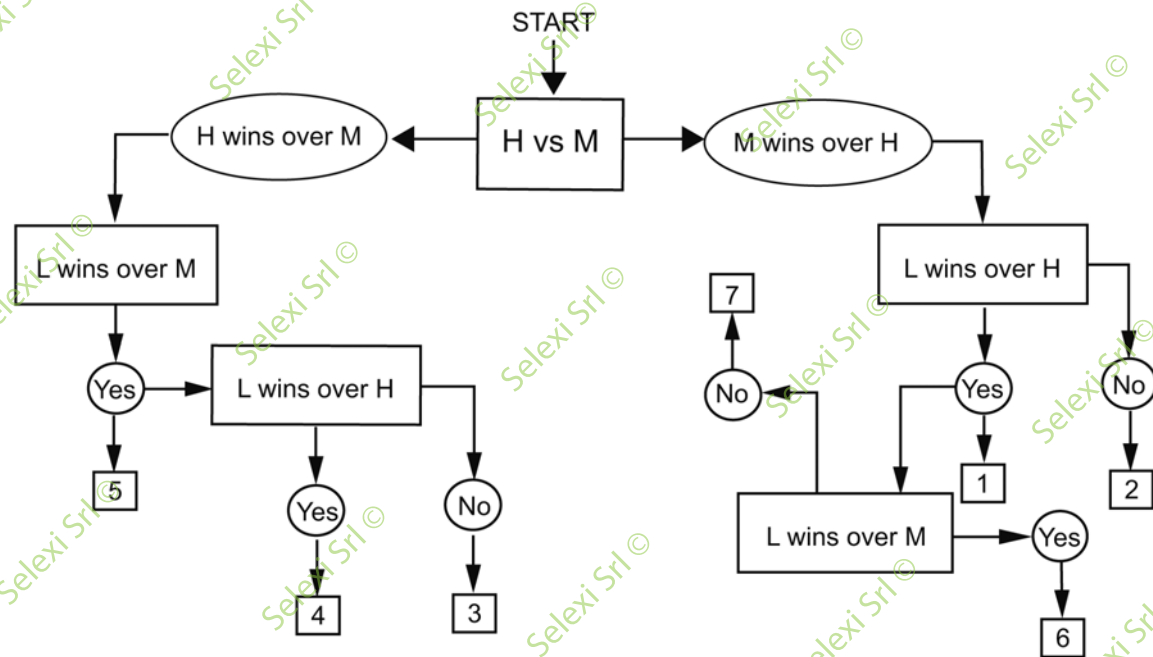
- A) It is impossible to determine an order of preference
 - B) SCR
 - C) SRC
 - D) More than one order of preference is possible
 - E) RCS
-

DIAGRAM SZ 11

Mark is a secondary school student who is preparing to write a final thesis that involves all major school subjects. He decides to start working according to his own order of preference. The comparison is made by confronting three different subjects two by two, and always assessing which is the favourite between the two (there can never be two favourite subjects at the same time). He aims at establishing an order of preference.

H = Humanities, M = Maths and Sciences, L = Foreign languages

By following the chart shown in the figure, find the order of preference corresponding to each square.



2297 Answer the following question concerning DIAGRAM SZ 11

Following the schema shown in the figure, find the order of preference resulting at box "1" of the diagram.

- A) MHL
- B) It is impossible to determine an order of preference
- C) More than one order of preference is possible
- D) LMH
- E) HLM

2298 Answer the following question concerning DIAGRAM SZ 11

Following the schema shown in the figure, find the order of preference resulting at box "2" of the diagram.

- A) LMH
- B) It is impossible to determine an order of preference
- C) MHL
- D) More than one order of preference is possible
- E) HLM

2299 Answer the following question concerning DIAGRAM SZ 11

Following the schema shown in the figure, find the order of preference resulting at box "5" of the diagram.

- A) More than one order of preference is possible
- B) It is impossible to determine an order of preference
- C) LHM
- D) LMH
- E) MHL

2300 Answer the following question concerning DIAGRAM SZ 11

Following the schema shown in the figure, find the order of preference resulting at box "7" of the diagram.

- A) LHM
 - B) It is impossible to determine an order of preference
 - C) MLH
 - D) More than one order of preference is possible
 - E) MHL
-

2301 Answer the following question concerning DIAGRAM SZ 11

Following the schema shown in the figure, find the order of preference resulting at box "6" of the diagram.

- A) More than one order of preference is possible
 - B) It is impossible to determine an order of preference
 - C) LHM
 - D) LMH
 - E) MHL
-

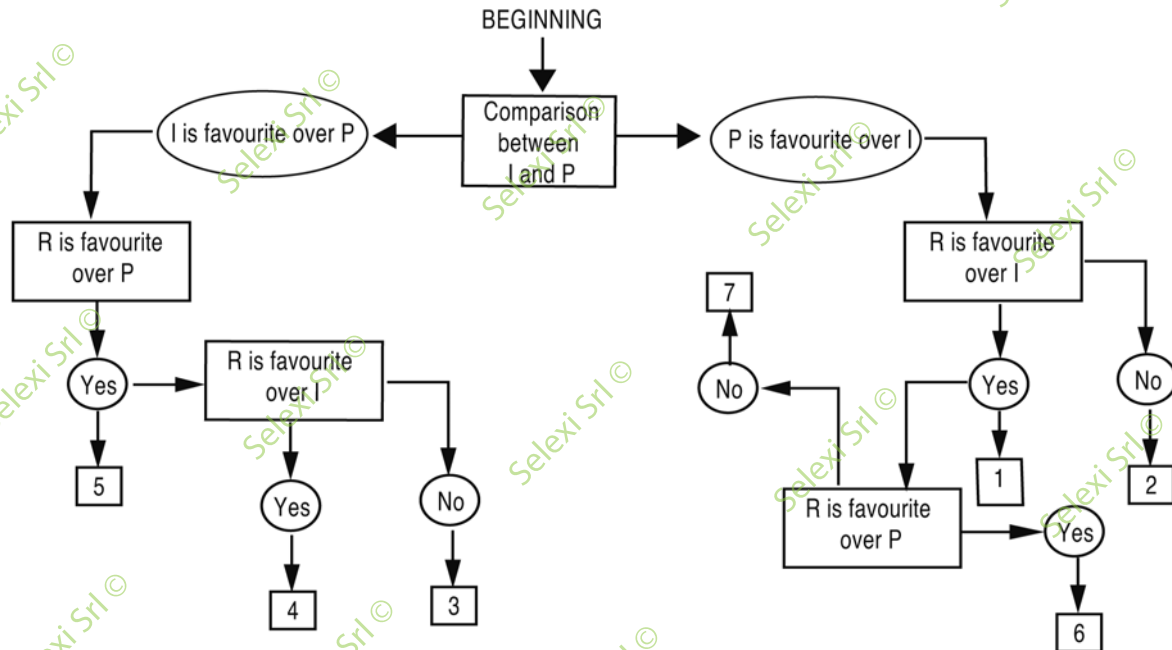
2302 Answer the following question concerning DIAGRAM SZ 11

Find the order of preference resulting from box "4" of the diagram.

- A) LMH
 - B) More than one order of preference is possible
 - C) No order of preference can be established
 - D) LHM
 - E) MHL
-

DIAGRAM SZ 12

An article in a monthly magazine is about the places that tourists prefer for snorkeling. The comparison is made by confronting three typical resorts two by two, always judging one of the two as the favourite and never two as equally preferred. The aim is to establish an order of preference. I = Indian Ocean, P = Pacific Ocean, R = Red sea



2303 Answer the following question concerning DIAGRAM SZ 12

Following the schema shown in the figure, find the order of preference resulting at box "3" of the diagram.

- A) It is impossible to determine an order of preference
- B) R – P – I
- C) P – I – R
- D) I – R – P
- E) More than one order of preference is possible

2304 Answer the following question concerning DIAGRAM SZ 12

Following the schema shown in the figure, find the order of preference resulting at box "5" of the diagram.

- A) It is impossible to determine an order of preference among the three places
- B) More than one order of preference is possible
- C) I – R – P
- D) R – P – I
- E) R – I – P

2305 Answer the following question concerning DIAGRAM SZ 12

Following the schema shown in the figure, find the order of preference resulting at box "1" of the diagram.

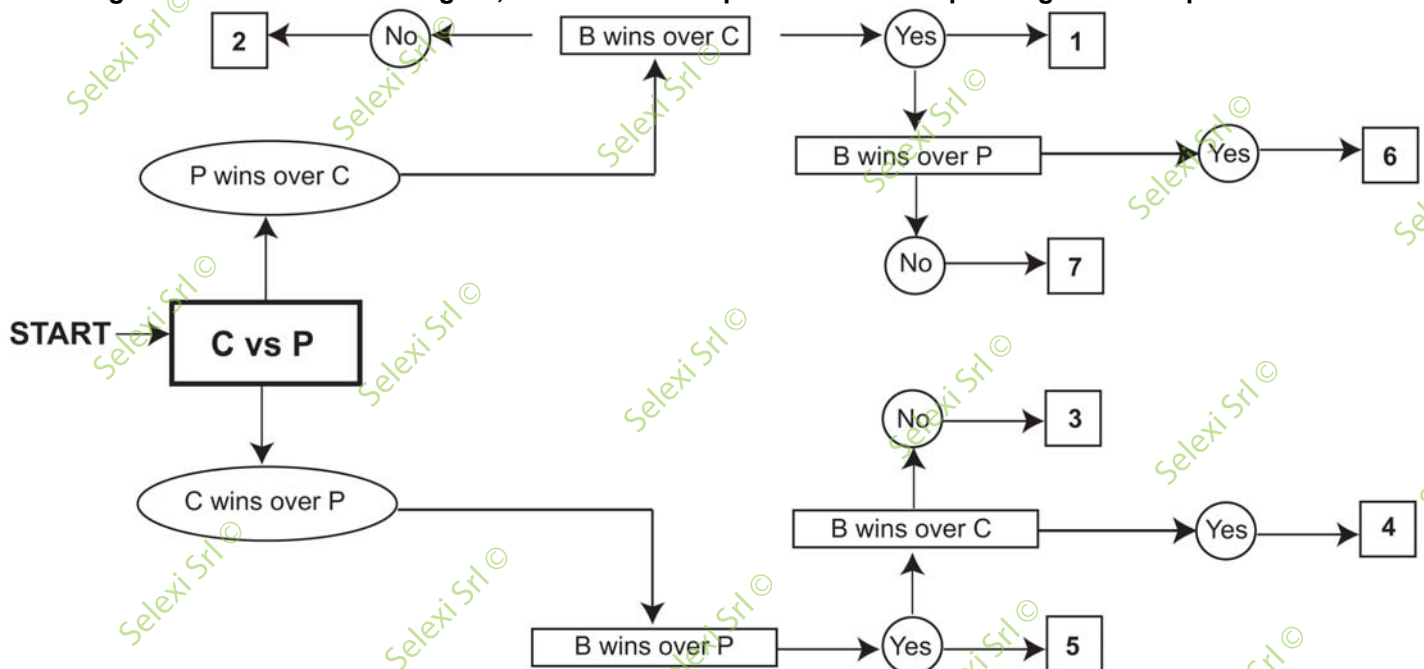
- A) More than one order of preference is possible
- B) I – R – P
- C) It is impossible to determine an order of preference among the three places
- D) R – P – I
- E) P – I – R

DIAGRAM SZ 13

A research is surveying the means of transport that Italians use to go to work. The comparison is made by assessing three different means of transport two by two, and always asking which is the favourite between the two. The research thus aims at establishing an order of preference.

C = car, P = public transport, B = bicycle

By following the chart shown in the figure, find the order of preference corresponding to each square.



2306 Answer the following question concerning DIAGRAM SZ 13

Following the schema shown in the figure, find the order of preference resulting at box "5" of the diagram.

- A) BCP
- B) It is impossible to determine an order of preference
- C) More than one order of preference is possible
- D) BPC
- E) PCB

2307 Answer the following question concerning DIAGRAM SZ 13

Following the schema shown in the figure, find the order of preference resulting at box "7" of the diagram.

- A) BCP
- B) PCB
- C) PBC
- D) CBP
- E) More than one order of preference is possible

2308 Answer the following question concerning DIAGRAM SZ 13

Following the schema shown in the figure, find the order of preference resulting at box "1" of the diagram.

- A) It is impossible to determine an order of preference
- B) PCB
- C) More than one order of preference is possible
- D) BPC
- E) CBP

2309 Answer the following question concerning DIAGRAM SZ 13

Following the schema shown in the figure, find the order of preference resulting at box "2" of the diagram.

- A) PCB
 - B) More than one order of preference is possible
 - C) It is impossible to determine an order of preference
 - D) BPC
 - E) CBP
-

2310 Answer the following question concerning DIAGRAM SZ 13

Following the schema shown in the figure, find the order of preference resulting at box "3" of the diagram.

- A) CBP
 - B) It is impossible to determine an order of preference
 - C) More than one order of preference is possible
 - D) BPC
 - E) PCB
-

2311 Answer the following question concerning DIAGRAM SZ 13

Following the schema shown in the figure, find the order of preference resulting at box "4" of the diagram.

- A) More than one order of preference is possible
 - B) BCP
 - C) It is impossible to determine an order of preference
 - D) BPC
 - E) PCB
-

2312 Answer the following question concerning DIAGRAM SZ 13

Following the schema shown in the figure, find the order of preference resulting at box "6" of the diagram.

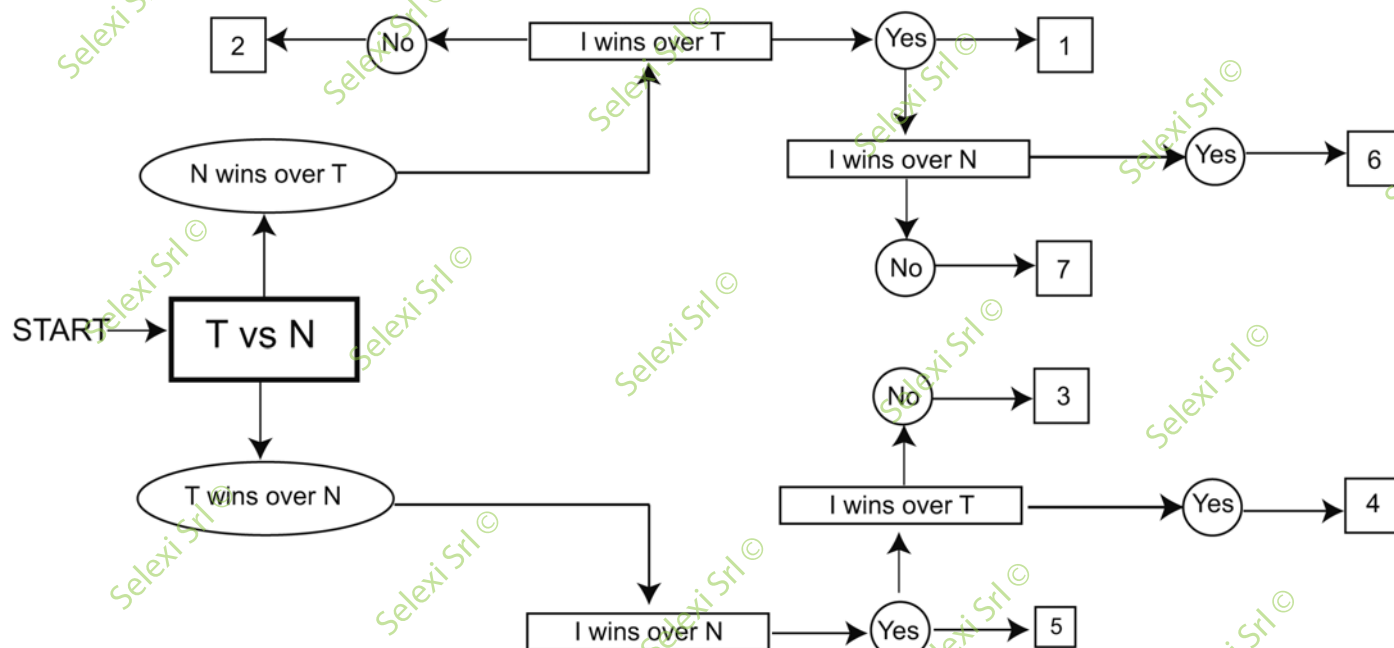
- A) PCB
 - B) BPC
 - C) BCP
 - D) It is impossible to determine an order of preference
 - E) More than one order of preference is possible
-

DIAGRAM SZ 14

The personnel of a company are asked to take a test about their habits. One of the questions is about the medium they prefer to get news from. Results are obtained by comparing three different media two by two, and always asking which is the favourite between the two. The research thus aims at establishing an order of preference among staff.

T = television, N = newspaper, I = internet

By following the chart shown in the figure, find the order of preference corresponding to each square.



2313 Answer the following question concerning DIAGRAM SZ 14

Find the order of preference between I, N and T resulting at box "1" of the diagram.

- A) NTI
- B) No order of preference can be determined
- C) ITN
- D) More than one order of preference is possible
- E) INT

2314 Answer the following question concerning DIAGRAM SZ 14

Find the order of preference between I, N and T resulting at box "2" of the diagram.

- A) INT
- B) More than one order of preference is possible
- C) No order of preference can be determined
- D) NTI
- E) ITN

2315 Answer the following question concerning DIAGRAM SZ 14

Find the order of preference resulting at box "3" of the diagram.

- A) ITN
- B) INT
- C) More than one order of preference is possible
- D) It is impossible to determine an order of preference
- E) TIN

2316 Answer the following question concerning DIAGRAM SZ 14**Find the order of preference resulting at box "4" of the diagram.**

- A) More than one order of preference is possible
 - B) It is impossible to determine an order of preference
 - C) ITN
 - D) TIN
 - E) INT
-

2317 Answer the following question concerning DIAGRAM SZ 14**Find the order of preference resulting at box "6" of the diagram.**

- A) More than one order of preference is possible
 - B) It is impossible to determine an order of preference
 - C) INT
 - D) TIN
 - E) ITN
-

2318 Answer the following question concerning DIAGRAM SZ 14**Find the order of preference between I, N and T resulting from box "5" of the diagram.**

- A) TIN
 - B) ITN
 - C) INT
 - D) NTI
 - E) More than one order of preference is possible
-

2319 Answer the following question concerning DIAGRAM SZ 14**Find the order of preference between I, Q and T resulting at box "1" of the diagram.**

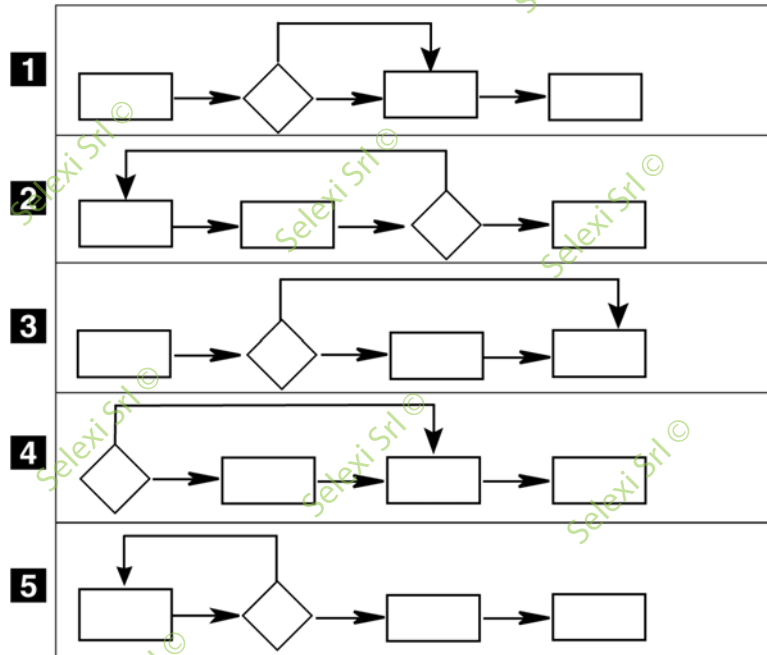
- A) IQT
 - B) QTI
 - C) ITQ
 - D) TIQ
 - E) More than one order of preference is possible
-

2320 Answer the following question concerning DIAGRAM SZ 14**Find the order of preference between I, Q and T resulting at box "2" of the diagram.**

- A) No order of preference can be determined
 - B) ITQ
 - C) QTI
 - D) IQT
 - E) TIQ
-

DIAGRAM SZ 16

In the flowcharts in the figure, a rectangle represents an action performed with only one possible outcome, a diamond indicates a choice with two possible outcomes.



2321 Answer the following question concerning DIAGRAM SZ 16

Which flowchart represents the action of performing an intramuscular injection, knowing that such action can be broken down into: drawing the liquid into the syringe, making sure all of it was transferred to the syringe, drawing in any liquid remaining in the vial, expelling air from the syringe, inserting the needle?

- A) Diagram 1
- B) Diagram 4
- C) Diagram 3
- D) Diagram 5
- E) Diagram 2

PICTURE SY 75

2322 Answer the following question concerning PICTURE SY 75

Assuming the clock represented in the picture turns anticlockwise, what time will it indicate in 135 minutes' time?

- A) 10:25
- B) 10:30
- C) 1:30
- D) 6:00
- E) 10:35

2323 Answer the following question concerning PICTURE SY 75

Assuming the clock represented in the picture turns anticlockwise, what time will it indicate in 140 minutes' time?

- A) 6:05
 - B) 1:25
 - C) 10:30
 - D) 10:40
 - E) 10:35
-

2324 Answer the following question concerning PICTURE SY 75

Assuming the clock represented in the picture turns anticlockwise, what time will it indicate in 145 minutes' time?

- A) 1:20
 - B) 10:45
 - C) 10:35
 - D) 6:10
 - E) 10:40
-

2325 Answer the following question concerning PICTURE SY 75

Assuming the clock represented in the picture turns anticlockwise, what time will it indicate in 150 minutes' time?

- A) 10:45
 - B) 1:15
 - C) 10:40
 - D) 6:15
 - E) 10:50
-

2326 Answer the following question concerning PICTURE SY 75

Assuming the clock represented in the picture turns anticlockwise, what time will it indicate in 155 minutes' time?

- A) 10:55
 - B) 1:10
 - C) 10:45
 - D) 6:20
 - E) 10:50
-

2327 Answer the following question concerning PICTURE SY 75

Assuming the clock represented in the picture turns anticlockwise, what time will it indicate in 45 minutes' time?

- A) 8:55
 - B) 9:00
 - C) 3:00
 - D) 4:30
 - E) 9:05
-

2328 Answer the following question concerning PICTURE SY 75

Assuming the clock represented in the picture turns anticlockwise, what time will it indicate in 130 minutes' time?

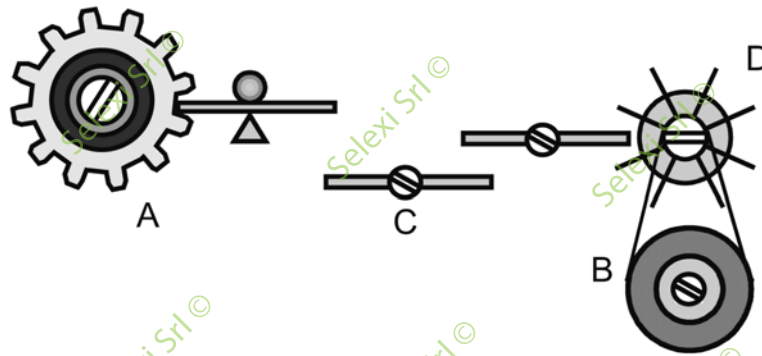
- A) 1:35
 - B) 5:55
 - C) 10:25
 - D) 10:30
 - E) 10:20
-

2329 Answer the following question concerning PICTURE SY 75

Assuming the clock represented in the picture turns counter-clockwise, what time will it indicate in 60 minutes' time?

- A) 4:45
- B) 9:15
- C) 2:45
- D) 9:20
- E) 9:10

IMAGE SZ 20



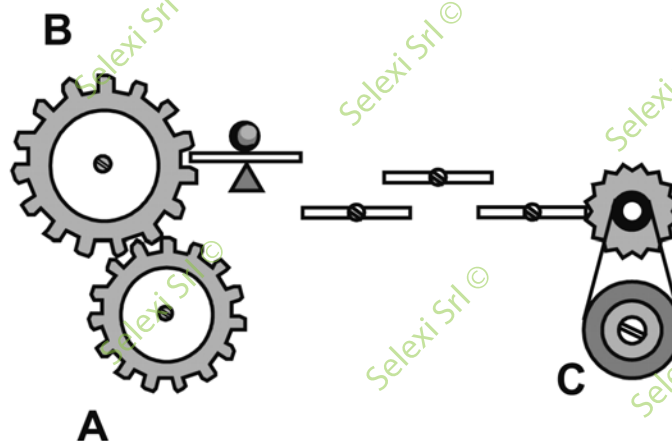
2330 Answer the following question concerning IMAGE SZ 20

If cogwheel A turns counter-clockwise, in which direction does gear B turn?

- A) In the direction opposite to that of lever C
- B) Clockwise
- C) It is impossible for B to turn
- D) In the direction opposite to that of wheel D
- E) Counter-clockwise

IMAGE SP 72

In the system shown in the figure, the cogwheels and the arms are free to rotate around a fixed pivot.



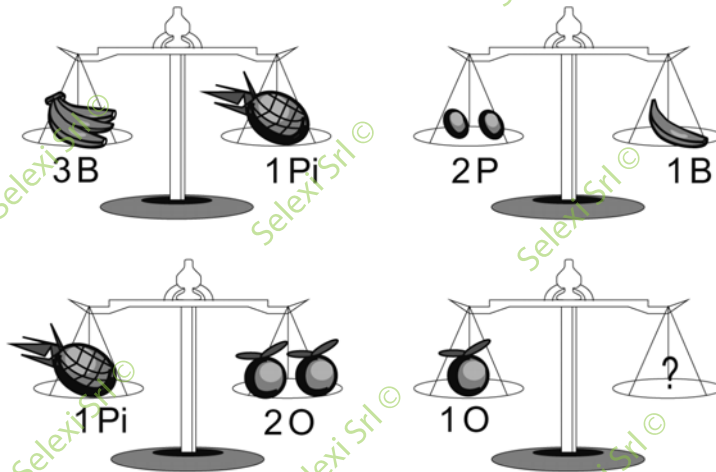
2331 Answer the following question concerning IMAGE SP 72

If cogwheel A turns clockwise, in which direction does cogwheel C turn?

- A) Clockwise
- B) The gear system cannot work
- C) It is impossible for cogwheel C to turn
- D) Counter-clockwise
- E) It cannot be determined

IMAGE SP 76

The figure shows four scales with two platforms where quantities of fruit have been placed (Pi: pineapples, B: bananas, O: oranges and P: plums).



2332 Answer the following question concerning IMAGE SP 76

How many and which fruits have to be placed on the right platform of the last scale in order for it to be balanced?

- A) 1 plum
- B) 4 plums
- C) 2 bananas
- D) 3 bananas
- E) 3 plums

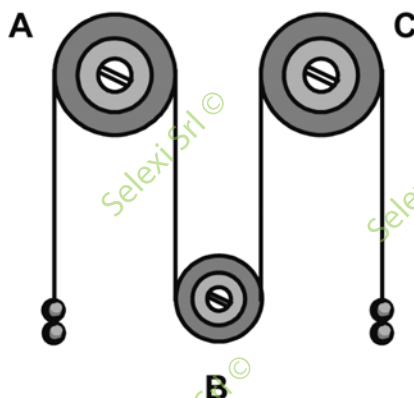
2333 Answer the following question concerning IMAGE SP 76

How many and which kinds of fruit have to be placed on the right platform of the last scale in order for it to be balanced?

- A) 1 plum and 1 banana
- B) 2 bananas
- C) 4 plums
- D) 2 bananas and 1 plum
- E) None of the other options is correct

IMAGE SP 83

The system shown in the figure is in a state of stillness, with metal spheres all having the same mass and a rope of negligible mass.



2334 Answer the following question concerning IMAGE SP 83

If the system is only subject to the gravitational field in the absence of friction, then it may be concluded that:

- A) pulley C turns counter-clockwise
- B) pulley A turns clockwise
- C) the system remains still because it is in equilibrium
- D) pulley A turns counter-clockwise
- E) pulley C turns clockwise

IMAGE SP 87

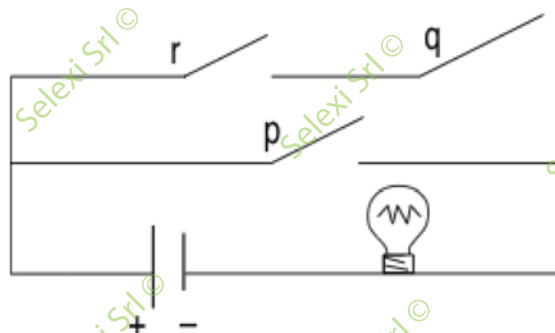
The figure shows a circuit with several switches (p, q and r) placed either in series or in parallel. The switches represent the following statements:

p = "x is a divisor of 63";

q = "x is a multiple of 3";

r = "x is even".

The circuit needs to be closed so as to turn the lamp on.



2335 Answer the following question concerning IMAGE SP 87

The bulb will be lit when x has the following value:

- A) 21
- B) 13
- C) 8
- D) 25
- E) 20

2336 Answer the following question concerning IMAGE SP 87

The bulb will be lit when x has the following value:

- A) 24
 - B) 189
 - C) 33
 - D) 14
 - E) 124
-

2337 Answer the following question concerning IMAGE SP 87

The bulb will be lit when x has the following value:

- A) 33
 - B) 217
 - C) 123
 - D) 66
 - E) 50
-

2338 Answer the following question concerning IMAGE SP 87

The light bulb will turn on when x equals:

- A) 17
 - B) 25
 - C) 104
 - D) 31
 - E) 8
-

2339 Answer the following question concerning IMAGE SP 87

The bulb will be lit when x has the following value:

- A) 189
- B) 15
- C) 33
- D) 16
- E) 42

IMAGE SP 90

The midpoint of a graduated wooden ruler rests on a fulcrum, and several coins of equal weight are placed on the ruler.



2340 Answer the following question concerning IMAGE SP 90

In order to balance the system shown in the figure, it is necessary to move a token:

- A) from position 3 to position 5
- B) from position 12 to position 10
- C) from position 12 to position 11
- D) from position 3 to position 6
- E) none of the other answers is correct; the system is already balanced

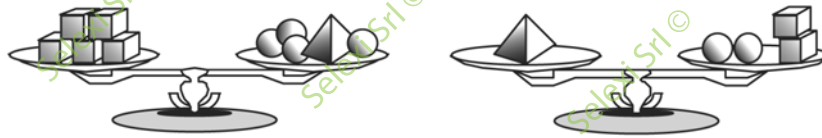
2341 Answer the following question concerning IMAGE SP 90

In order to balance the system shown in the figure, one must move a token:

- A) from position 3 to position 4
- B) from position 3 to position 5
- C) none of the other answers is correct; the system is already balanced
- D) from position 12 to position 11
- E) from position 3 to position 6

IMAGE SP 93

The figure shows two double platform scales that are balanced with several objects (spheres, cubes and pyramids).



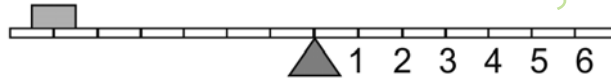
2342 Answer the following question concerning IMAGE SP 93

The mass of how many little balls equals the mass of a little cube?

- A) 0.5
- B) 2
- C) 3
- D) 6
- E) 1

IMAGE ST 69

A wooden graduated beam is balanced in its middle point and several tokens, all of equal weight, are placed on it.



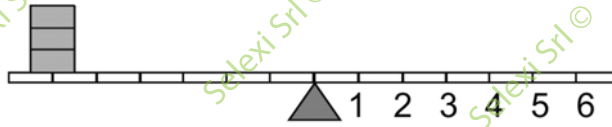
2343 Answer the following question concerning IMAGE ST 69

In order to rebalance the system shown in the figure, it is necessary to place:

- A) 6 tokens in position 2
- B) 6 tokens in position 1
- C) 1 tokens in position 5
- D) 5 tokens in position 1
- E) 1 token in position 4 and 1 token in position 1

IMAGE ST 71

A wooden graduated beam is balanced in its middle point and several tokens, all of equal weight, are placed on it.



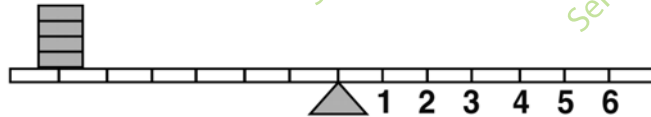
2344 Answer the following question concerning IMAGE ST 71

In order to rebalance the tokens placed on the lever, it is necessary to put:

- A) 1 token in position 6
- B) 9 tokens in position 2
- C) 10 tokens in position 2
- D) 9 tokens in position 3
- E) 8 tokens in position 2

IMAGE ST 72

A wooden graduated beam is balanced in its middle point and several tokens, all of equal weight, are placed on it.



2345 Answer the following question concerning IMAGE ST 72

In order to rebalance the system shown in the figure, one must move:

- A) 8 tokens to position 4
- B) 7 tokens to position 3
- C) 8 tokens to position 3
- D) 9 tokens to position 3
- E) 5 tokens to position 5

IMAGE ST 76

A wooden graduated beam is balanced in its middle point and several tokens, all of equal weight, are placed on it.



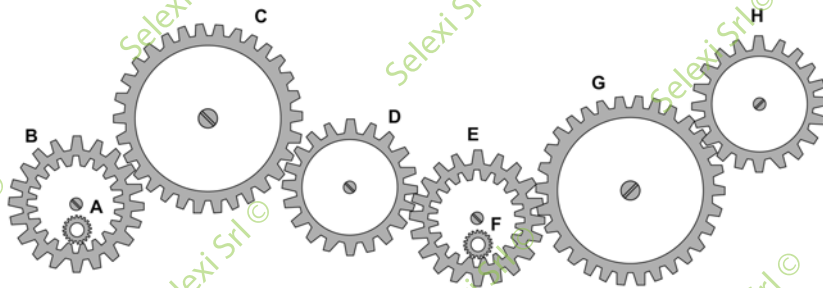
2346 Answer the following question concerning IMAGE ST 76

In order to rebalance the system shown in the figure, it is necessary to put:

- A) 1 token in position 2
- B) 1 token in position 6
- C) 2 tokens in position 5
- D) 1 token in position 5
- E) 2 tokens in position 6

IMAGE ST 86

In the system indicated, the cogwheels are free to rotate around a fixed pivot.



2347 Answer the following question concerning IMAGE ST 86

If cogwheel G turns counter-clockwise, in which direction does cogwheel D turn?

- A) In the direction opposite to that of cogwheel H
- B) Clockwise
- C) In the same direction as small cogwheel F
- D) In the same direction as cogwheel H
- E) The gear system cannot work

2348 Answer the following question concerning IMAGE ST 86

If cogwheel B turns clockwise, in which direction does cogwheel H turn?

- A) The gear system cannot work
- B) In the same direction as cogwheel D
- C) Clockwise
- D) In the direction opposite to that of small cogwheel F
- E) In the direction opposite to that of cogwheel D

2349 Answer the following question concerning IMAGE ST 86**If cogwheel C turns counter-clockwise, in which direction does cogwheel B turn?**

- A) The gear system cannot work
 - B) Counter-clockwise
 - C) In the same direction as cogwheel E
 - D) In opposite direction to that of cogwheel E
 - E) In opposite direction to that of cogwheel G
-

2350 Answer the following question concerning IMAGE ST 86**If cogwheel B turns counter-clockwise, in which direction does small gear A turn?**

- A) The gear system cannot work
 - B) Clockwise
 - C) In the same direction as cogwheel E
 - D) In the same direction as cogwheel D
 - E) In the opposite direction to that of cogwheel D
-

2351 Answer the following question concerning IMAGE ST 86**If cogwheel C turns counter-clockwise, in which direction does cogwheel D turn?**

- A) The gear system cannot work
 - B) In the opposite direction to that of cogwheel G
 - C) In the same direction as cogwheel G
 - D) Counter-clockwise
 - E) In the same direction as cogwheel H
-

2352 Answer the following question concerning IMAGE ST 86**If cogwheel B turns counter-clockwise, in which direction does cogwheel H turn?**

- A) Counter-clockwise
 - B) In the direction opposite to that of cogwheel E
 - C) In the direction opposite to that of cogwheel C
 - D) The gear system cannot work
 - E) In the same direction as cogwheel C
-

2353 Answer the following question concerning IMAGE ST 86**If cogwheel C turns counter-clockwise, in which direction does cogwheel B turn?**

- A) The gear system cannot work
 - B) In the same direction as cogwheel G
 - C) In the direction opposite to that of cogwheel G
 - D) In the direction opposite to that of small cogwheel A
 - E) Counter-clockwise
-

2354 Answer the following question concerning IMAGE ST 86**If cogwheel B turns counter-clockwise, in which direction does small cogwheel F turn?**

- A) Counter-clockwise
 - B) In the direction opposite to that of cogwheel H
 - C) In the same direction as cogwheel H
 - D) The gear system cannot work
 - E) In the same direction as cogwheel G
-

2355 Answer the following question concerning IMAGE ST 86**If cogwheel B turns clockwise, in which direction does cogwheel C turn?**

- A) In the same direction as cogwheel E
 - B) In the direction opposite to that of cogwheel E
 - C) Clockwise
 - D) In the same direction as small cogwheel A
 - E) The gear system cannot work
-

2356 Answer the following question concerning IMAGE ST 86**If cogwheel C turns counter-clockwise, in which direction does cogwheel E turn?**

- A) In the same direction as cogwheel G
 - B) In the direction opposite to that of cogwheel H
 - C) Clockwise
 - D) The gear system cannot work
 - E) In the same direction as cogwheel H
-

2357 Answer the following question concerning IMAGE ST 86**If cogwheel B turns clockwise, in which direction does cogwheel E turn?**

- A) In the same direction as cogwheel G
 - B) In the opposite direction to that of cogwheel H
 - C) In the same direction as cogwheel H
 - D) Clockwise
 - E) The gear system cannot work
-

2358 Answer the following question concerning IMAGE ST 86**If cogwheel B turns counter-clockwise, in which direction does cogwheel C turn?**

- A) In opposite direction to that of cogwheel H
 - B) Counter-clockwise
 - C) In the same direction as cogwheel H
 - D) The gear system cannot work
 - E) In opposite direction to that of cogwheel E
-

2359 Answer the following question concerning IMAGE ST 86**If cogwheel H turns clockwise, in which direction does cogwheel B turn?**

- A) Clockwise
 - B) In the same direction as small cogwheel F
 - C) In opposite direction to that of small cogwheel F
 - D) The gear system cannot work
 - E) In opposite direction to that of cogwheel D
-

2360 Answer the following question concerning IMAGE ST 86**If cogwheel B turns clockwise, in which direction does cogwheel H turn?**

- A) In opposite direction to that of cogwheel C
 - B) In opposite direction to that of cogwheel E
 - C) Clockwise
 - D) In the same direction as cogwheel C
 - E) The gear system cannot work
-

2361 Answer the following question concerning IMAGE ST 86

If cogwheel C turns counter-clockwise, in which direction does gear D turn?

- A) Counter-clockwise
- B) In the same direction as cogwheel H
- C) In the direction opposite to that of the small cogwheel A
- D) The gear system cannot work
- E) In the same direction as cogwheel A

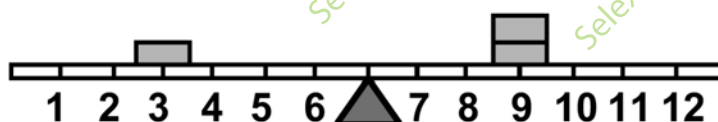
2362 Answer the following question concerning IMAGE ST 86

If cogwheel C turns counter-clockwise, in which direction does gear D turn?

- A) Counter-clockwise
- B) In the same direction as cogwheel A
- C) In the direction opposite to that of the small cogwheel A
- D) The gear system cannot work
- E) In the direction opposite to that of the cogwheel G

IMAGE ST 98

A wooden graduated beam is balanced in its middle point and several tokens, all of equal weight, are placed on it.



2363 Answer the following question concerning IMAGE ST 98

In order to balance the system shown in the figure, it is necessary to move a token:

- A) none of other options is correct: the scale is already in equilibrium
- B) from position 9 to position 6
- C) from position 9 to position 10
- D) from position 9 to position 11
- E) from position 3 to position 1

2364 Answer the following question concerning IMAGE ST 98

In order to rebalance the system shown in the figure, it is necessary to move a token:

- A) none of the other answers is correct; the scale is already balanced
- B) from position 9 to position 11
- C) from position 9 to position 10
- D) from position 3 to position 1
- E) from position 3 to position 4

IMAGE ST 99

A wooden graduated beam is balanced in its middle point and several tokens, all of equal weight, are placed on it.



2365 Answer the following question concerning IMAGE ST 99

In order to rebalance the system shown in the figure, it is necessary to move a token:

- A) from position 4 to position 5
- B) from position 4 to position 6
- C) none of the other alternatives is correct: the system is already balanced
- D) from position 7 to position 6
- E) from position 7 to position 9

2366 Answer the following question concerning IMAGE ST 99

In order to rebalance the system shown in the figure, one must move a token:

- A) from position 7 to position 9
- B) from position 7 to position 6
- C) from position 4 to position 6
- D) from position 7 to position 8
- E) none of the other alternatives is correct: the system is already balanced

IMAGE SU 01

A wooden graduated beam is balanced in its middle point and several tokens, all of equal weight, are placed on it.



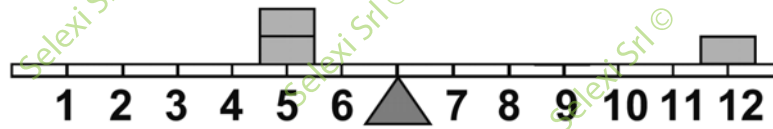
2367 Answer the following question concerning IMAGE SU 01

In order to rebalance the system shown in the figure, it is necessary to move a token:

- A) from position 6 to position 1
- B) from position 6 to position 3
- C) none of the other answers is correct; the axes is already balanced
- D) from position 12 to position 11
- E) from position 12 to position 8

IMAGE SU 02

A wooden graduated beam is balanced in its middle point and several tokens, all of equal weight, are placed on it.



2368 Answer the following question concerning IMAGE SU 02

In order to rebalance the system shown in the figure, it is necessary to move a token:

- A) from position 12 to position 9
- B) from position 12 to position 11
- C) none of the other answers is correct; the system is already balanced
- D) from position 5 to position 2
- E) from position 5 to position 3

2369 Answer the following question concerning IMAGE SU 02

In order to rebalance the system shown in the figure, one must move a token:

- A) from position 12 to position 10
- B) from position 5 to position 4
- C) from position 12 to position 11
- D) none of the other alternatives is correct: the system is already balanced
- E) from position 5 to position 8

IMAGE SU 03

A wooden graduated beam is balanced in its middle point and several tokens, all of equal weight, are placed on it.



2370 Answer the following question concerning IMAGE SU 03

In order to rebalance the system shown in the figure, one must move a token:

- A) from position 4 to position 2
- B) from position 12 to position 11
- C) on the right side
- D) none of the other answers is correct; the system is already balanced
- E) from position 4 to position 1

2371 Answer the following question concerning IMAGE SU 03

In order to rebalance the system shown in the figure, it is necessary to move a token:

- A) none of the other alternatives is correct: the system is already balanced
- B) from position 4 to position 2
- C) from position 12 to position 11
- D) from position 4 to position 5
- E) of the left side

IMAGE SU 04

A wooden graduated beam is balanced in its middle point and several tokens, all of equal weight, are placed on it.

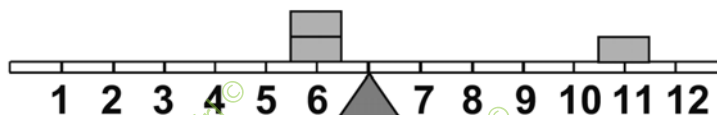
**2372 Answer the following question concerning IMAGE SU 04**

In order to rebalance the system shown in the figure, it is necessary to move a token:

- A) none of the other answers is correct; the axes is already balanced
- B) from position 2 to position 5
- C) from position 2 to position 6
- D) from position 12 to position 11
- E) from position 2 to position 1

IMAGE SU 05

A wooden graduated beam is balanced in its middle point and several tokens, all of equal weight, are placed on it.

**2373 Answer the following question concerning IMAGE SU 05**

In order to rebalance the system shown in the figure, one must move a token:

- A) none of the other answers is correct; the system is already balanced
- B) from position 11 to position 10
- C) from position 6 to position 4
- D) from position 11 to position 8
- E) from position 11 to position 12

2374 Answer the following question concerning IMAGE SU 05

In order to rebalance the system shown in the figure, one must move a token:

- A) from position 6 to position 5
- B) from position 11 to position 12
- C) from position 11 to position 8
- D) none of the other answers is correct; the system is already balanced
- E) from position 11 to position 10

2375 Answer the following question concerning IMAGE SU 05

In order to rebalance the system shown in the figure, one must move a token:

- A) from position 6 to position 2
- B) from position 11 to position 8
- C) from position 11 to position 12
- D) from position 11 to position 7
- E) none of the other answers is correct; the system is already balanced

IMAGE SU 07

A wooden graduated beam is balanced in its middle point and several tokens, all of equal weight, are placed on it.

**2376 Answer the following question concerning IMAGE SU 07**

In order to rebalance the system shown in the figure, one must move a token:

- A) from position 11 to position 10
- B) none of the other answers is correct; the system is already balanced
- C) from position 4 to position 6
- D) from position 4 to position 2
- E) from position 11 to position 12

2377 Answer the following question concerning IMAGE SU 07

In order to rebalance the system shown in the figure, it is necessary to move a token:

- A) none of the other options is correct: the system is already balanced
- B) from position 4 to position 5
- C) from position 4 to position 6
- D) from position 11 to position 9
- E) from position 4 to position 2

IMAGE SU 08

A wooden graduated beam is balanced in its middle point and several tokens, all of equal weight, are placed on it.



2378 Answer the following question concerning IMAGE SU 08

In order to rebalance the system shown in the figure, it is necessary to move a token:

- A) from position 3 to position 5
- B) from position 3 to position 4
- C) none of the other options is correct: the system is already balanced
- D) from position 3 to position 6
- E) from position 3 to position 2

IMAGE SU 09

A wooden graduated beam is balanced in its middle point and several tokens, all of equal weight, are placed on it.



2379 Answer the following question concerning IMAGE SU 09

In order to rebalance the system shown in the figure, it is necessary to move a token:

- A) from position 6 to position 4
- B) from position 6 to position 3
- C) none of the other options is correct: the system is already balanced
- D) from position 10 to position 9
- E) from position 10 to position 11

2380 Answer the following question concerning IMAGE SU 09

In order to rebalance the system shown in the figure, it is necessary to move a token:

- A) none of the other options is correct: the system is already balanced
- B) from position 10 to position 8
- C) from position 6 to position 5
- D) from position 10 to position 12
- E) from position 10 to position 11

2381 Answer the following question concerning IMAGE SU 09

In order to rebalance the system shown in the figure, it is necessary to move one token:

- A) from position 10 to position 12
- B) from position 10 to position 11
- C) from position 10 to position 8
- D) none of the other alternatives is correct: the system is already balanced
- E) from position 6 to position 5

IMAGE SU 10

A wooden graduated beam is balanced in its middle point and several tokens, all of equal weight, are placed on it.

**2382 Answer the following question concerning IMAGE SU 10**

In order to rebalance the system shown in the figure, it is necessary to move a token:

- A) none of the other answers is correct; the axes is already balanced
- B) from the left side
- C) from position 10 to position 9
- D) from position 5 to position 2
- E) from position 5 to position 8

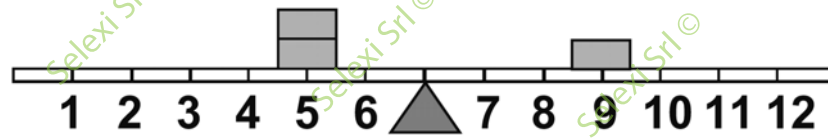
2383 Answer the following question concerning IMAGE SU 10

In order to rebalance the system shown in the figure, it is necessary to move a token:

- A) from position 10 to position 9
- B) from position 5 to position 8
- C) none of the other answers is correct; the axes is already balanced
- D) from position 5 to position 2
- E) from position 10 to position 8

IMAGE SU 13

A wooden graduated beam is balanced in its middle point and several tokens, all of equal weight, are placed on it.



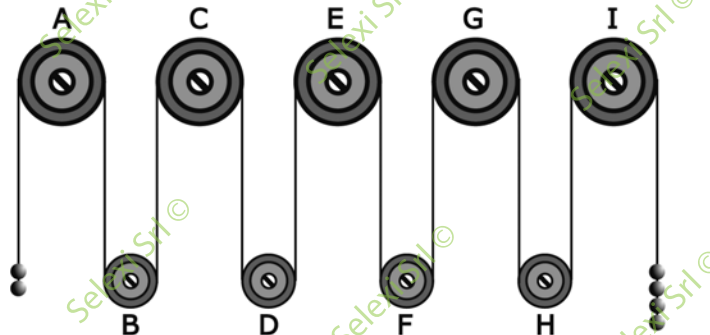
2384 Answer the following question concerning IMAGE SU 13

In order to rebalance the system shown in the figure, one must move a token:

- A) none of the other answers is correct; the system is already balanced
- B) from position 5 to position 7
- C) from position 9 to position 10
- D) from position 5 to position 4
- E) from position 9 to position 11

IMAGE SU 14

The system is shown in its initial phase. All the metal spheres have the same mass, while the mass of the rope is negligible.



2385 Answer the following question concerning IMAGE SU 14

If the system is exposed only to a frictionless gravitational field, we can infer that:

- A) pulley F turns anticlockwise
- B) pulley E turns anticlockwise
- C) pulley F turns clockwise
- D) the pulley system is in equilibrium and will not move
- E) pulley B turns in the same direction as pulley G

2386 Answer the following question concerning IMAGE SU 14

If the system is only subject to the gravitational field in the absence of friction, then it may be concluded that:

- A) the system remains still because it is in equilibrium
- B) pulley H turns clockwise
- C) pulley G turns counter-clockwise
- D) pulley G turns clockwise
- E) none of the other alternatives is correct

2387 Answer the following question concerning IMAGE SU 14

If the system is only subject to the gravitational field in the absence of friction, then it may be concluded that:

- A) pulley C turns counter-clockwise
- B) pulley D turns clockwise
- C) the system remains still because it is in equilibrium
- D) pulley C turns in the direction opposite to that of pulley G
- E) pulley C turns clockwise

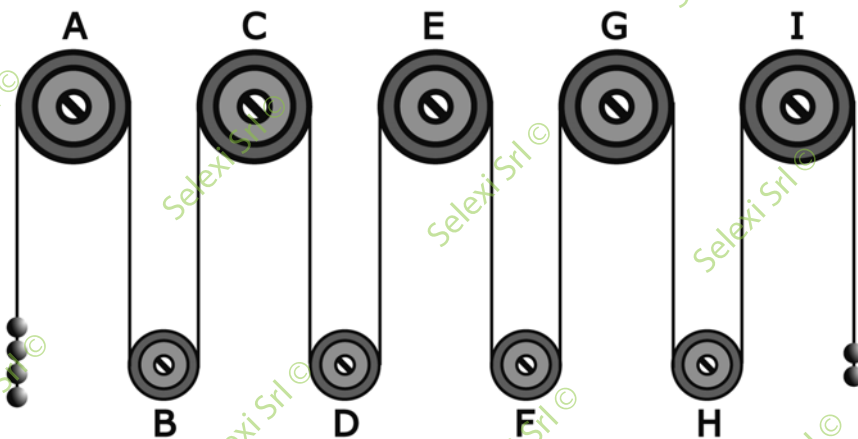
2388 Answer the following question concerning IMAGE SU 14

If the system is only subject to the gravitational field in the absence of friction, then it may be concluded that:

- A) pulley F turns clockwise
- B) pulley E turns counter-clockwise
- C) the system remains still because it is in equilibrium
- D) pulley E turns clockwise
- E) pulley D turns clockwise

IMAGE SU 15

The system shown in the figure is in its starting phase. All the metal balls have the same mass, and the mass of the cables is negligible.

**2389 Answer the following question concerning IMAGE SU 15**

If the system is exposed only to a frictionless gravitational field, we can infer that:

- A) the pulley system is in equilibrium and will not move
- B) pulley I turns clockwise
- C) pulley H turns anticlockwise
- D) pulley G turns clockwise
- E) pulley I turns anticlockwise

2390 Answer the following question concerning IMAGE SU 15

If the system is only subject to the gravitational field in the absence of friction, then it may be concluded that:

- A) the system remains still because it is in equilibrium
- B) pulley C turns clockwise
- C) pulley D turns counter-clockwise
- D) pulley C turns counter-clockwise
- E) pulley A turns clockwise

2391 Answer the following question concerning IMAGE SU 15

If the system is only subject to the gravitational field in the absence of friction, then it may be concluded that:

- A) pulley C turns clockwise
- B) pulley D turns counter-clockwise
- C) pulley G turns in the same direction as pulley H
- D) pulley D turns clockwise
- E) the system remains still because it is in equilibrium

2392 Answer the following question concerning IMAGE SU 15

If the system is only subject to the gravitational field in the absence of friction, then it may be concluded that:

- A) pulley E turns clockwise
- B) pulley E turns counter-clockwise
- C) the system remains still because it is in equilibrium
- D) pulley F turns counter-clockwise
- E) pulley B turns in opposite direction to that of pulley G

2393 Answer the following question concerning IMAGE SU 15

If the system is only subject to the gravitational field in the absence of friction, then it may be concluded that:

- A) pulley B turns clockwise
- B) pulley A turns clockwise
- C) pulley B turns counter-clockwise
- D) the system remains still because it is in equilibrium
- E) the system can't work

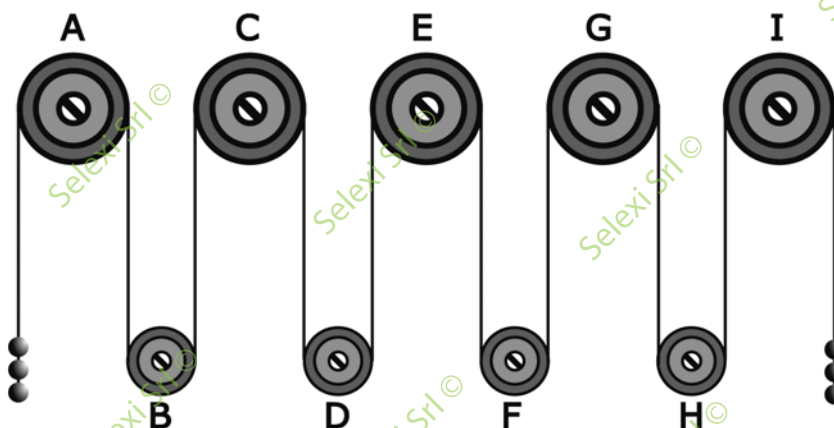
2394 Answer the following question concerning IMAGE SU 15

If the system is only subject to the gravitational field in the absence of friction, then it may be concluded that:

- A) system can't work
- B) pulley A turns clockwise
- C) pulley B turns clockwise
- D) the system remains still because it is in equilibrium
- E) pulley F turns counter-clockwise

IMAGE SU 16

Il sistema indicato in figura si presenta nella sua fase iniziale e ha sfere di metallo tutte della stessa massa e fune di massa trascurabile.



2395 Answer the following question concerning IMAGE SU 16

If the system is only subject to the gravitational field in the absence of friction, then it may be concluded that:

- A) the system remains still because it is in equilibrium
- B) pulley G turns counter-clockwise
- C) pulley G turns clockwise
- D) pulley A turns counter-clockwise
- E) pulley A turns clockwise

2396 Answer the following question concerning IMAGE SU 16

If the system is only subject to the gravitational field in the absence of friction, then it may be concluded that:

- A) pulley D turns counter-clockwise
- B) pulley A turns counter-clockwise
- C) pulley A turns clockwise
- D) the system remains still because it is in equilibrium
- E) pulley C turns clockwise

2397 Answer the following question concerning IMAGE SU 16

If the system is only subject to the gravitational field in the absence of friction, then it may be concluded that:

- A) the system remains still because it is in equilibrium
- B) pulley C turns clockwise
- C) pulley F turns clockwise
- D) pulley C turns counter-clockwise
- E) pulley F turns counter-clockwise

2398 Answer the following question concerning IMAGE SU 16

If the system is only subject to the gravitational field in the absence of friction, then it may be concluded that:

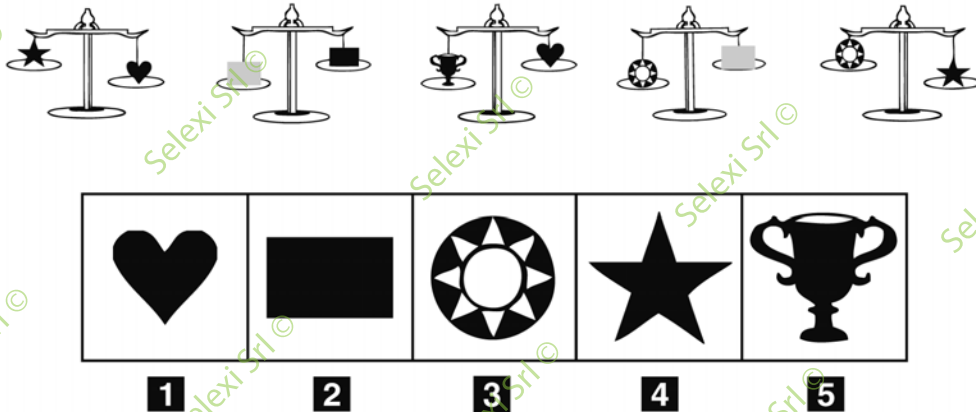
- A) pulley G turns clockwise
- B) pulley D turns counter-clockwise
- C) pulley D turns clockwise
- D) pulley E turns in the direction opposite to that of pulley G
- E) the system remains still because it is in equilibrium

2399 Answer the following question concerning IMAGE SU 16

If the system is only subject to the gravitational field in the absence of friction, then it may be concluded that:

- A) pulley I turns clockwise
- B) pulley I turns counter-clockwise
- C) pulley A turns in opposite direction to that of pulley H
- D) pulley F turns counter-clockwise
- E) the system remains still because it is in equilibrium

IMAGE SV 21

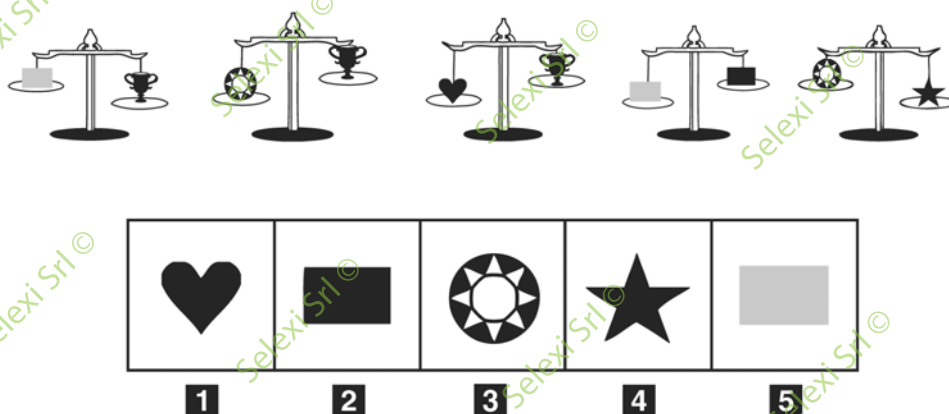


2400 Answer the following question concerning IMAGE SV 21

Of all the objects shown on the platforms of the scales, which object weighs the least?

- A) It cannot be determined
- B) The one in figure 4
- C) The one in figure 3
- D) The one in figure 5
- E) The one in figure 2

IMAGE SV 22



2401 Answer the following question concerning IMAGE SV 22

Which object is the least heavy?

- A) Object no. 4
- B) Object no. 3
- C) Object no. 1
- D) Object no. 5
- E) Object no. 2

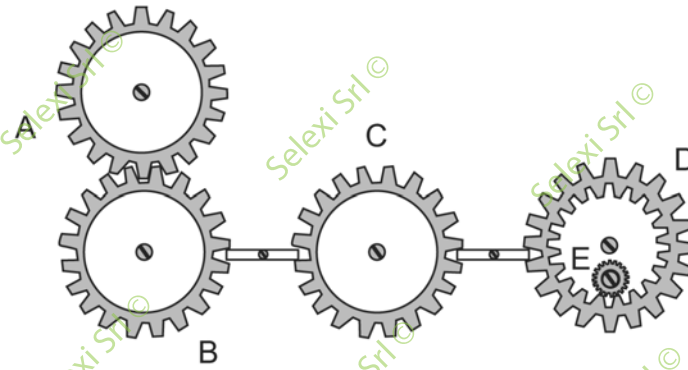
2402 Answer the following question concerning IMAGE SV 22

Which of the objects shown on the platforms of the scales weighs the least?

- A) Figure 3
- B) Figure 5
- C) Figure 1
- D) Figure 4
- E) Figure 2

IMAGE SV 46

In the system shown in the figure, the arms and the cogwheels are free to rotate around fixed pivots.



2403 Answer the following question concerning IMAGE SV 46

If cogwheel A turns clockwise, then:

- A) cogwheel E turns counter-clockwise
- B) cogwheel C turns clockwise
- C) all the other cogwheels do not turn
- D) cogwheel B turns clockwise
- E) cogwheels B and C turn in opposite directions

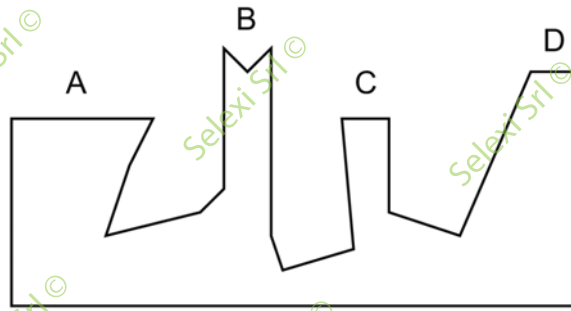
2404 Answer the following question concerning IMAGE SV 46

If cogwheel B turns clockwise, then:

- A) cogwheels B and C turn in opposite directions
- B) cogwheel C turns counter-clockwise
- C) all the other cogwheels do not turn
- D) cogwheel A turns clockwise
- E) cogwheel D turns clockwise

IMAGE SV 47

A glass container is shaped as shown in the figure. Vases A, B C and D, which make up the container, are interconnected.



2405 Answer the following question concerning IMAGE SV 47

If water is poured into the container, the level of the liquid will be:

- A) the same in all the vases
- B) highest in A
- C) highest in B
- D) highest in C
- E) highest in D

IMAGE SX 29

The figure shows two double platform scales that are balanced with several coffee cups, teacups and cocktail glasses.



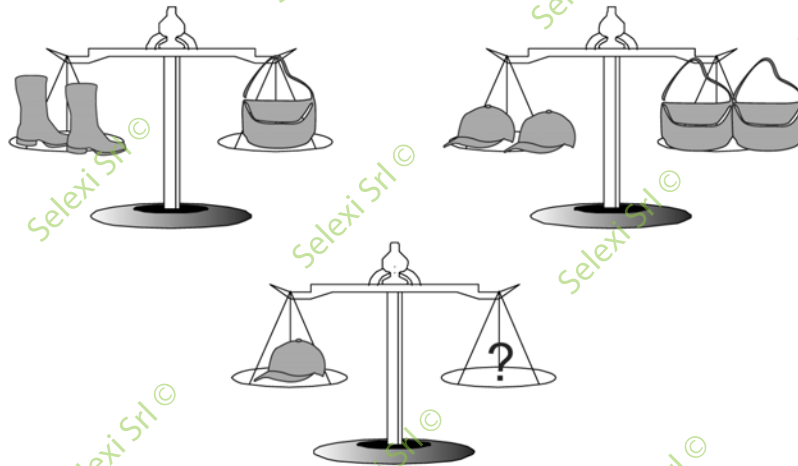
2406 Answer the following question concerning IMAGE SX 29

Compare the weights on the upper scales and decide how much the cocktail glass on the scale below weighs.

- A) The same as 3 espresso cups
- B) The same as 2 espresso cups
- C) The same as half a teacup
- D) The same as 1 espresso cup
- E) The same as 2 teacups

IMAGE SX 30

The figure shows two double platform scales that are balanced with boots, bags and hats.



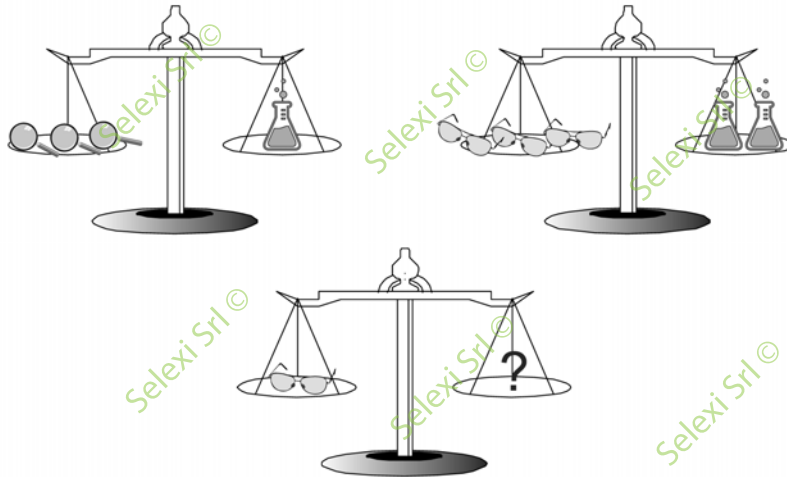
2407 Answer the following question concerning IMAGE SX 30

Compare the weights on the upper scales and decide how much the hat on the scale below weighs.

- A) None of the other alternatives is correct
- B) The same as 2 bags
- C) The same as 1 boot
- D) The same as two boots plus one bag
- E) The same as 2 boots

IMAGE SX 32

In the figure there are three pairs of scales on which there are some lens, glasses and test tubes.



2408 Answer the following question concerning IMAGE SX 32

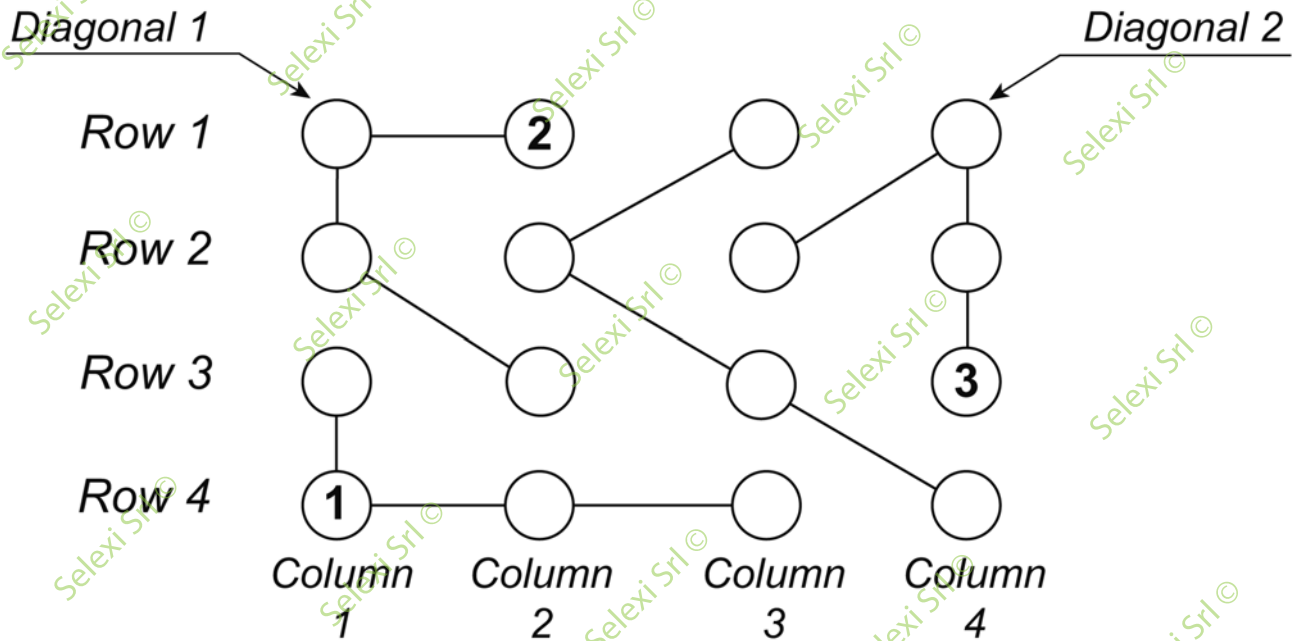
Comparing the weights on the first two scales, how much does a pair of glasses, placed on the third, scale weigh?

- A) 0,5 phials
- B) None of other options is correct
- C) 1 phial
- D) 3 lenses
- E) 2 lenses

IMAGE SX 37

The 4 x 4 grid only contains numbers from 1 to 4. In order for it to be filled with the missing numbers you need to follow three simple rules:

- 1) each row must contain different numbers;
 - 2) each column must contain different numbers;
 - 3) each "flow" connected by segments must contain different numbers.
- The diagonals instead do not have to necessarily comply with the above rules.



2409 Answer the following question concerning IMAGE SX 37

Identify the alternative that is the correct sequence of numbers of Column 1, shown from the bottom up.

- A) 3-2-1-4
- B) 3-4-2-1
- C) 1-4-3-2
- D) 1-2-4-3
- E) 2-3-1-4

2410 Answer the following question concerning IMAGE SX 37

Identify the alternative that is the correct sequence of numbers of Column 2, shown from the bottom up.

- A) 2-3-1-4
- B) 4-1-3-2
- C) 3-4-2-1
- D) 4-3-2-1
- E) 1-2-4-3

2411 Answer the following question concerning IMAGE SX 37

Identify the alternative that is the correct sequence of numbers of Column 4, shown from the bottom up.

- A) 4-1-3-2
- B) 2-3-1-4
- C) 3-4-2-1
- D) 4-3-2-1
- E) 1-2-4-3

2412 Answer the following question concerning IMAGE SX 37

Identify the alternative that is the correct sequence of numbers of Row 2, shown from the right to the left.

- A) 2-3-4-1
 - B) 4-3-2-1
 - C) 3-4-1-2
 - D) 4-1-3-2
 - E) 1-2-3-4
-

2413 Answer the following question concerning IMAGE SX 37

Identify the alternative that is the correct sequence of numbers of Row 4, shown from the right to the left.

- A) 2-3-1-4
 - B) 1-4-3-2
 - C) 1-2-4-3
 - D) 2-3-4-1
 - E) 3-4-1-2
-

2414 Answer the following question concerning IMAGE SX 37

Identify the alternative that is the correct sequence of numbers of Diagonal 2, shown from the bottom up.

- A) 1-1-2-4
 - B) 3-3-4-2
 - C) 2-4-3-3
 - D) 2-3-4-1
 - E) 1-4-3-2
-

2415 Answer the following question concerning IMAGE SX 37

Identify the alternative that is the correct sequence of numbers of Column 3, shown from the top down.

- A) 1-2-4-3
 - B) 3-4-2-1
 - C) 4-1-3-2
 - D) 2-3-1-4
 - E) 2-1-4-3
-

2416 Answer the following question concerning IMAGE SX 37

Identify the alternative that is the correct sequence of numbers of Column 1, shown from the top down.

- A) 2-3-1-4
 - B) 3-2-1-4
 - C) 3-4-2-1
 - D) 1-2-4-3
 - E) 4-1-3-2
-

2417 Answer the following question concerning IMAGE SX 37

Identify the alternative that is the correct sequence of numbers of Column 3, shown from the bottom up.

- A) 4-1-3-2
 - B) 3-4-2-1
 - C) 3-2-1-4
 - D) 1-2-4-3
 - E) 4-3-2-1
-

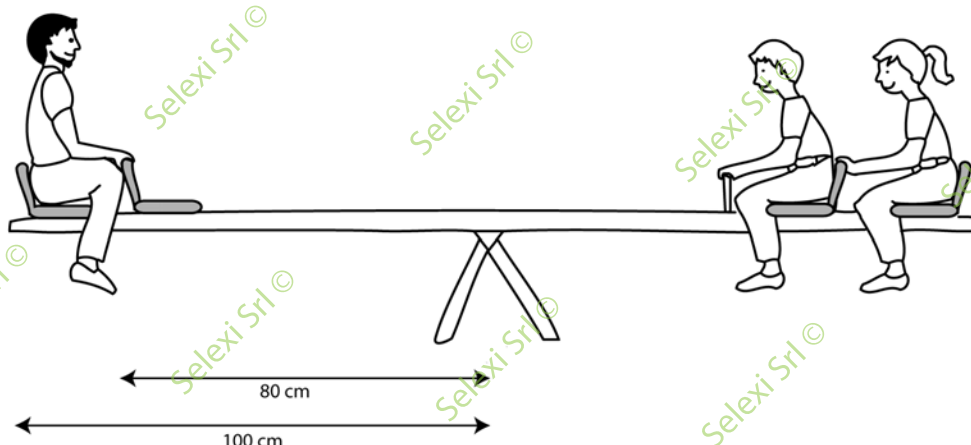
2418 Answer the following question concerning IMAGE SX 37

Identify the alternative that is the correct sequence of numbers of Row 3, shown from the left to the right.

- A) 2-4-3-1
- B) 1-2-4-3
- C) 3-2-1-4
- D) 2-1-3-4
- E) 2-1-4-3

IMAGE SX 42

Two children are playing on a swing that has two seats on each side. The distance between the outer seat and the pivot is 100 cm, while that between the inner seat and the pivot is 80 cm.



2419 Answer the following question concerning IMAGE SX 42

A little girl who weighs 35 kg is sitting on the outer right seat, and a little boy whose weight is $\frac{5}{7}$ the girl's weight is sitting on the inner right seat. An adult man sits down on the outer left seat and the swing gets balanced. How much does he weigh?

- A) 57
- B) 55
- C) 56
- D) 58
- E) 51

2420 Answer the following question concerning IMAGE SX 42

A little girl who weighs 30 kg is sitting on the outer right seat, and a little boy whose weight is $\frac{2}{3}$ the girl's weight is sitting on the inner right seat. An adult man sits down on the outer left seat and the swing gets balanced. How much does he weigh?

- A) 42
- B) 48
- C) 46
- D) 49
- E) 47

2421 Answer the following question concerning IMAGE SX 42

A little girl who weighs 30 kg is sitting on the outer right seat, and a little boy whose weight is $\frac{1}{3}$ the girl's weight is sitting on the inner right seat. An adult man sits down on the outer left seat and the swing gets balanced. How much does he weigh?

- A) 39
- B) 38
- C) 40
- D) 41
- E) 34

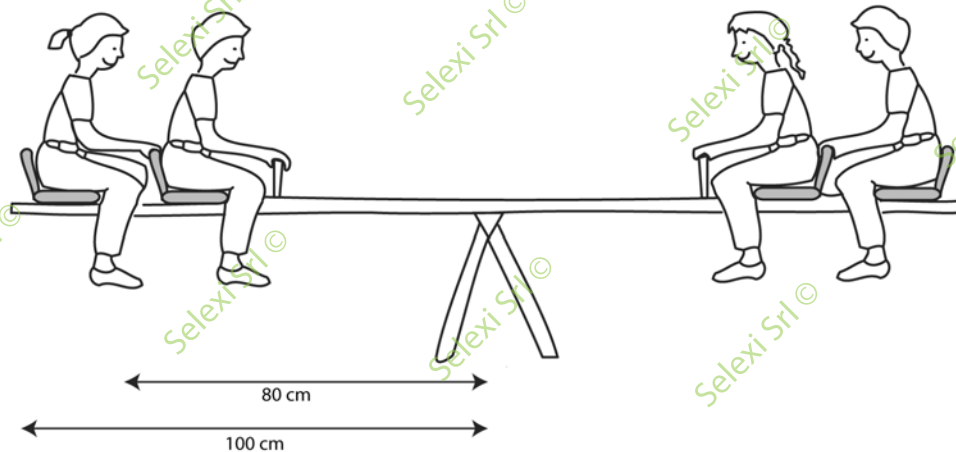
2422 Answer the following question concerning IMAGE SX 42

A little girl who weighs 30 kg is sitting on the outer right seat, and a little boy whose weight is $\frac{5}{6}$ the girl's weight is sitting on the inner right seat. An adult sits down on the outer left seat and the swing gets balanced. How much does the man weigh?

- A) 53 kg
- B) 50 kg
- C) 46 kg
- D) 51 kg
- E) 52 kg

IMAGE SX 43

Two children are playing on a swing that has two seats on each side. The distance between the outer seat and the pivot is 100 cm, while that between the inner seat and the pivot is 80 cm



2423 Answer the following question concerning IMAGE SX 43

A little boy who weighs 28 kg is sitting on the outer right seat, and a little boy whose weight is $\frac{3}{7}$ the boy's weight is sitting on the inner right seat. A little boy whose weight is 27 kg sits down on the inner left seat. Another little boy sits down on the vacant seat and the swing gets balanced. How much does he weigh?

- A) 12
- B) 18
- C) 16
- D) 19
- E) 17

2424 Answer the following question concerning IMAGE SX 43

A little boy who weighs 28 kg is sitting on the outer right seat, and a little boy whose weight is $\frac{3}{4}$ the boy's weight is sitting on the inner right seat. A little boy whose weight is 26 kg sits down on the inner left seat. Another little boy sits down on the vacant seat and the swing gets balanced. How much does he weigh?

- A) 24
- B) 26
- C) 25
- D) 27
- E) 20

2425 Answer the following question concerning IMAGE SX 43

A little boy who weighs 22 kg is sitting on the outer right seat, and a little boy whose weight is $\frac{6}{11}$ the boy's weight is sitting on the inner right seat. A little boy whose weight is 22 kg sits down on the inner left seat. Another little boy sits down on the vacant seat and the swing gets balanced. How much does he weigh?

- A) 10
- B) 16
- C) 14
- D) 17
- E) 15

2426 Answer the following question concerning IMAGE SX 43

A little boy who weighs 22 kg is sitting on the outer right seat, and a little boy whose weight is $\frac{7}{11}$ the boy's weight is sitting on the inner right seat. A little boy whose weight is 24 kg sits down on the inner left seat. Another little boy sits down on the vacant seat and the swing gets balanced. How much does he weigh?

- A) 14
- B) 16
- C) 15
- D) 17
- E) 10

2427 Answer the following question concerning IMAGE SX 43

A little boy who weighs 15 kg is sitting on the outer right seat, and a little boy whose weight is $\frac{2}{3}$ the boy's weight is sitting on the inner right seat. A little boy whose weight is 15 kg sits down on the inner left seat. Another little boy sits down on the vacant seat and the swing gets balanced. How much does he weigh?

- A) 14
- B) 13
- C) 12
- D) 7
- E) 11

2428 Answer the following question concerning IMAGE SX 43

A little boy who weighs 30 kg is sitting on the outer right seat, and a little boy whose weight is $\frac{2}{3}$ the boy's weight is sitting on the inner right seat. A little boy whose weight is 25 kg sits down on the inner left seat. Another little boy sits down on the vacant seat and the swing gets balanced. How much does he weigh?

- A) 27
- B) 28
- C) 29
- D) 22
- E) 26

2429 Answer the following question concerning IMAGE SX 43

A little boy who weighs 30 kg is sitting on the outer right seat, and a little boy whose weight is $\frac{3}{2}$ the boy's weight is sitting on the inner right seat. A little boy whose weight is 25 kg sits down on the inner left seat. Another little boy sits down on the vacant seat and the swing gets balanced. How much does he weigh?

- A) 48
- B) 47
- C) 42
- D) 49
- E) 46

2430 Answer the following question concerning IMAGE SX 43

A little boy who weighs 30 kg is sitting on the outer right seat, and a little boy whose weight is the double the boy's weight is sitting on the inner seat. A little boy whose weight is 25 kg sits down on the inner left seat. Another little boy sits down on the vacant seat and the swing gets balanced. How much does he weigh?

- A) 54
 - B) 60
 - C) 58
 - D) 61
 - E) 59
-

2431 Answer the following question concerning IMAGE SX 43

A little boy who weighs 30 kg is sitting on the outer right seat, and a little boy whose weight is $\frac{2}{4}$ the boy's weight is sitting on the inner seat. A little boy whose weight is 25 kg sits down on the inner left seat. Another little boy sits down on the vacant seat and the swing gets balanced. How much does he weigh?

- A) 22
 - B) 24
 - C) 23
 - D) 25
 - E) 18
-

2432 Answer the following question concerning IMAGE SX 43

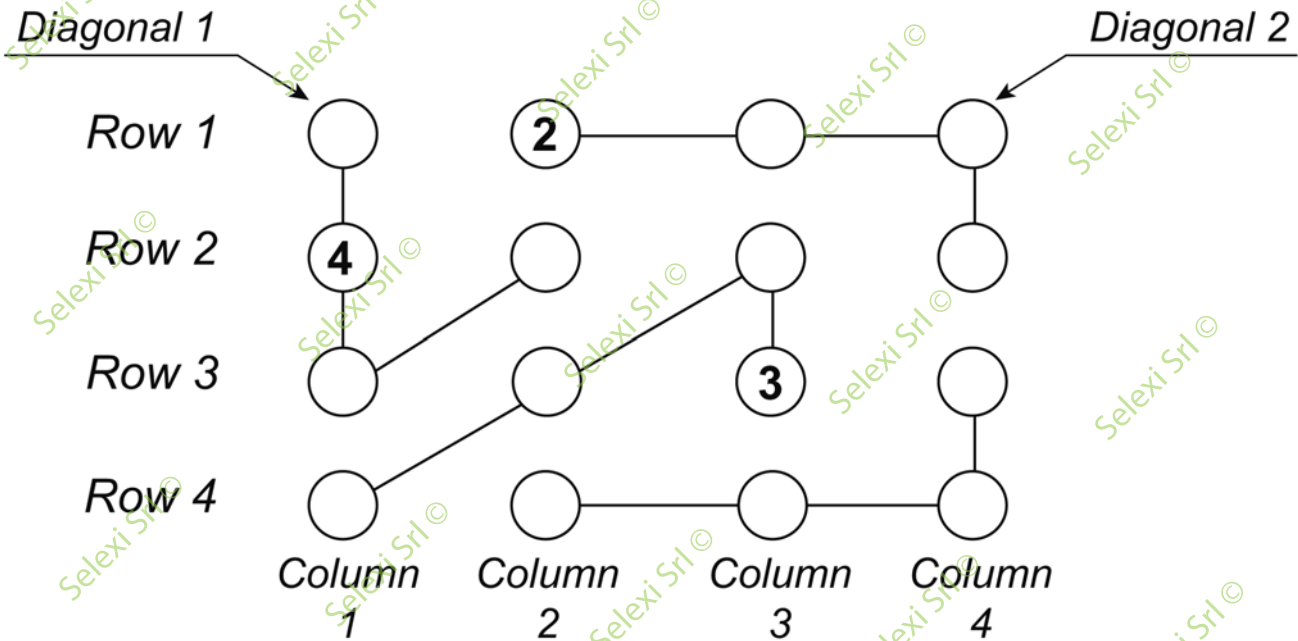
A little boy who weighs 25 kg is sitting on the outer right seat, and a little boy whose weight is $\frac{3}{5}$ the boy's weight is sitting on the inner seat. A little boy whose weight is 20 kg sits down on the inner left seat. Another little boy sits down on the vacant seat and the swing gets balanced. How much does he weigh?

- A) 17
 - B) 22
 - C) 21
 - D) 23
 - E) 24
-

IMAGE TN 45

The 4 x 4 grid only contains numbers from 1 to 4. In order for it to be filled with the missing numbers you need to follow three simple rules:

- 1) Each row must contain different numbers;
 - 2) Each column must contain different numbers;
 - 3) each "flow" connected by segments must contain different numbers.
- The diagonals instead do not have to necessarily comply with the above rules.



2433 Answer the following question concerning IMAGE TN 45

Identify the alternative that is the correct sequence of numbers of Column 4, shown from the top down.

- A) 4-2-1-3
- B) 2-1-3-4
- C) 1-3-4-2
- D) 1-4-3-2
- E) 4-3-1-2

2434 Answer the following question concerning IMAGE TN 45

Identify the alternative that is the correct sequence of numbers of Column 1, shown from the bottom up.

- A) 1-3-2-4
- B) 3-4-2-1
- C) 1-2-4-3
- D) 4-3-1-2
- E) 1-3-4-2

2435 Answer the following question concerning IMAGE TN 45

Identify the alternative that is the correct sequence of numbers of Column 3, shown from the bottom up.

- A) 3-1-4-2
- B) 1-2-3-4
- C) 4-3-1-2
- D) 2-4-3-1
- E) 4-3-2-1

2436 Answer the following question concerning IMAGE TN 45

Identify the alternative that is the correct sequence of numbers of Column 4, shown from the bottom up.

- A) 1-3-4-2
 - B) 2-1-3-4
 - C) 3-4-2-1
 - D) 4-3-1-2
 - E) 2-1-4-3
-

2437 Answer the following question concerning IMAGE TN 45

Identify the alternative that is the correct sequence of numbers of Column 2, shown from the bottom up.

- A) 2-1-4-3
 - B) 2-4-3-1
 - C) 1-2-3-4
 - D) 3-4-1-2
 - E) 3-1-4-2
-

2438 Answer the following question concerning IMAGE TN 45

Identify the alternative that is the correct sequence of numbers of Row 1, shown from the left to the right.

- A) 4-1-3-2
 - B) 4-1-2-3
 - C) 3-2-1-4
 - D) 1-2-4-3
 - E) 3-4-2-1
-

2439 Answer the following question concerning IMAGE TN 45

Identify the alternative that is the correct sequence of numbers of Row 2, shown from the left to the right.

- A) 1-3-4-2
 - B) 4-1-2-3
 - C) 2-1-4-3
 - D) 3-4-1-2
 - E) 3-2-1-4
-

2440 Answer the following question concerning IMAGE TN 45

Identify the alternative that is the correct sequence of numbers of Row 4, shown from the left to the right.

- A) 4-3-2-1
 - B) 2-4-3-1
 - C) 1-3-4-2
 - D) 3-4-1-2
 - E) 2-1-3-4
-

2441 Answer the following question concerning IMAGE TN 45

Identify the alternative that is the correct sequence of numbers of Row 1, shown from the right to the left.

- A) 3-2-1-4
 - B) 4-1-2-3
 - C) 3-4-2-1
 - D) 4-3-1-2
 - E) 2-1-3-4
-

2442 Answer the following question concerning IMAGE TN 45

Identify the alternative that is the correct sequence of numbers of Row 2, shown from the right to the left.

- A) 3-2-1-4
- B) 4-1-2-3
- C) 4-3-1-2
- D) 2-4-3-1
- E) 3-4-2-1

2443 Answer the following question concerning IMAGE TN 45

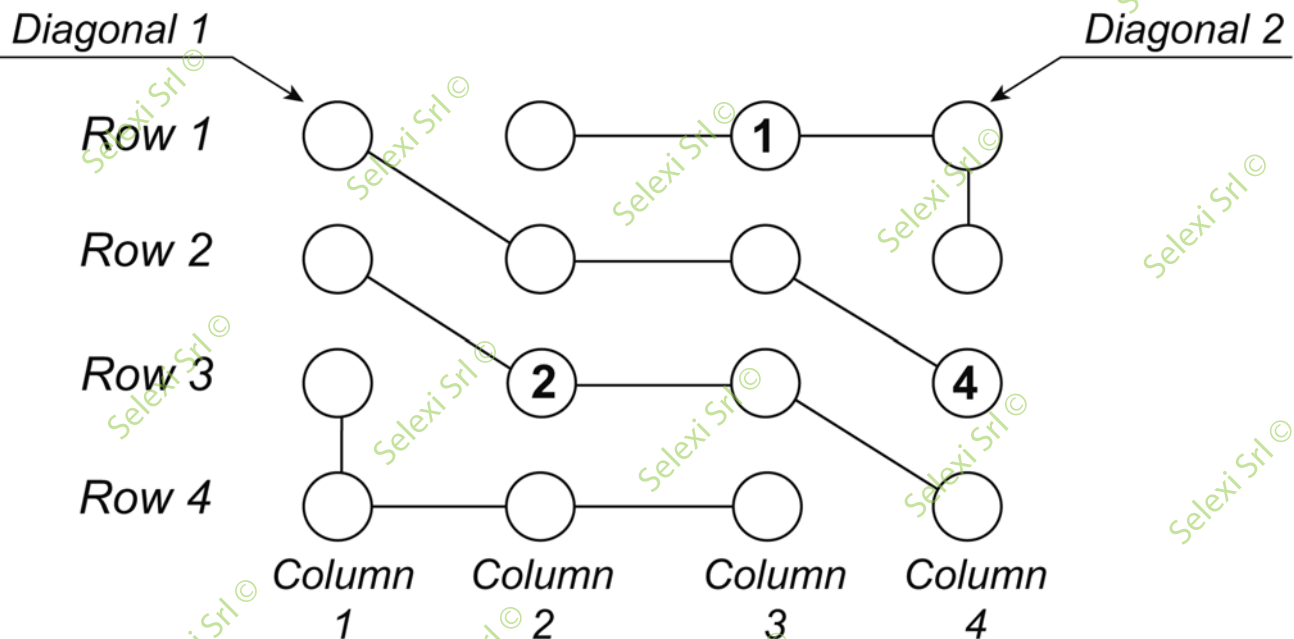
Identify the alternative that is the correct sequence of numbers of Row 3, shown from the right to the left.

- A) 1-3-4-2
- B) 2-4-3-1
- C) 2-1-3-4
- D) 1-4-3-2
- E) 3-4-2-1

IMAGE TN 46

The 4 x 4 grid only contains numbers from 1 to 4. In order for it to be filled with the missing numbers you need to follow three simple rules:

- 1) Each row must contain different numbers;
 - 2) Each column must contain different numbers;
 - 3) each "flow" connected by segments must contain different numbers.
- The diagonals instead do not have to necessarily comply with the above rules.

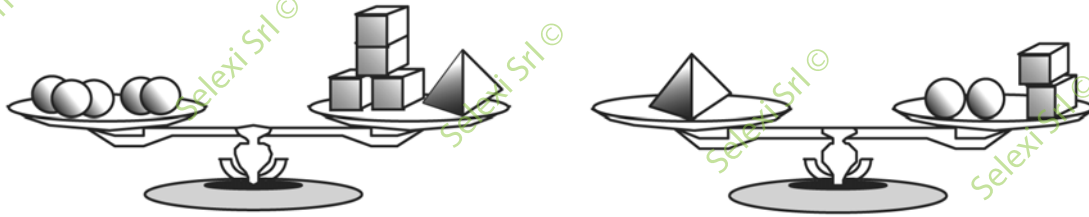
**2444 Answer the following question concerning IMAGE TN 46**

Identify the alternative that is the correct sequence of numbers of Row 2, shown from the left to the right.

- A) 4-1-2-3
- B) 3-2-1-4
- C) 2-3-4-1
- D) 3-4-1-2
- E) 4-1-3-2

IMAGE TR 76

The figure shows two double platform scales that are balanced with several objects (spheres, cubes and pyramids).



2445 Answer the following question concerning IMAGE TR 76

The mass of how many cubes equals the mass of a pyramid?

- A) 6
- B) None of the other answers is correct
- C) 4
- D) 5
- E) 3

2446 Answer the following question concerning IMAGE TR 76

The mass of how many spheres equals the mass of a pyramid?

- A) None of the other answers is correct
- B) 5
- C) 4
- D) 6
- E) 3

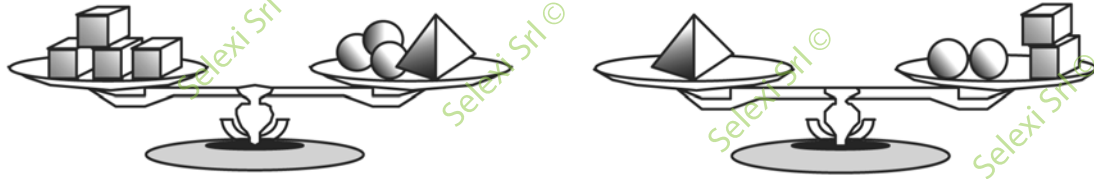
2447 Answer the following question concerning IMAGE TR 76

The mass of how many spheres equals the mass of a cube?

- A) 3
- B) None of the other answers is correct
- C) 2
- D) 4
- E) 1

IMAGE TR 77

The figure shows two double platform scales that are balanced with several objects (spheres, cubes and pyramids).



2448 Answer the following question concerning IMAGE TR 77

The mass of how many spheres equals the mass of a cube?

- A) None of the other answers is correct
- B) 3
- C) 5
- D) 6
- E) 2

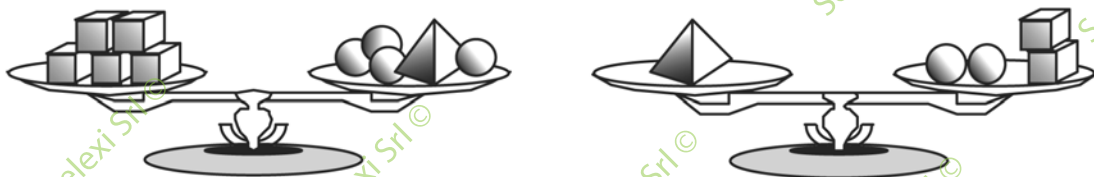
2449 Answer the following question concerning IMAGE TR 77

The mass of how many spheres equals the mass of a pyramid?

- A) 6
- B) 3
- C) 5
- D) 2
- E) None of the other answers is correct

IMAGE TR 78

The figure shows two double platform scales that are balanced with several objects (spheres, cubes and pyramids).



2450 Answer the following question concerning IMAGE TR 78

The mass of how many spheres equals the mass of a pyramid?

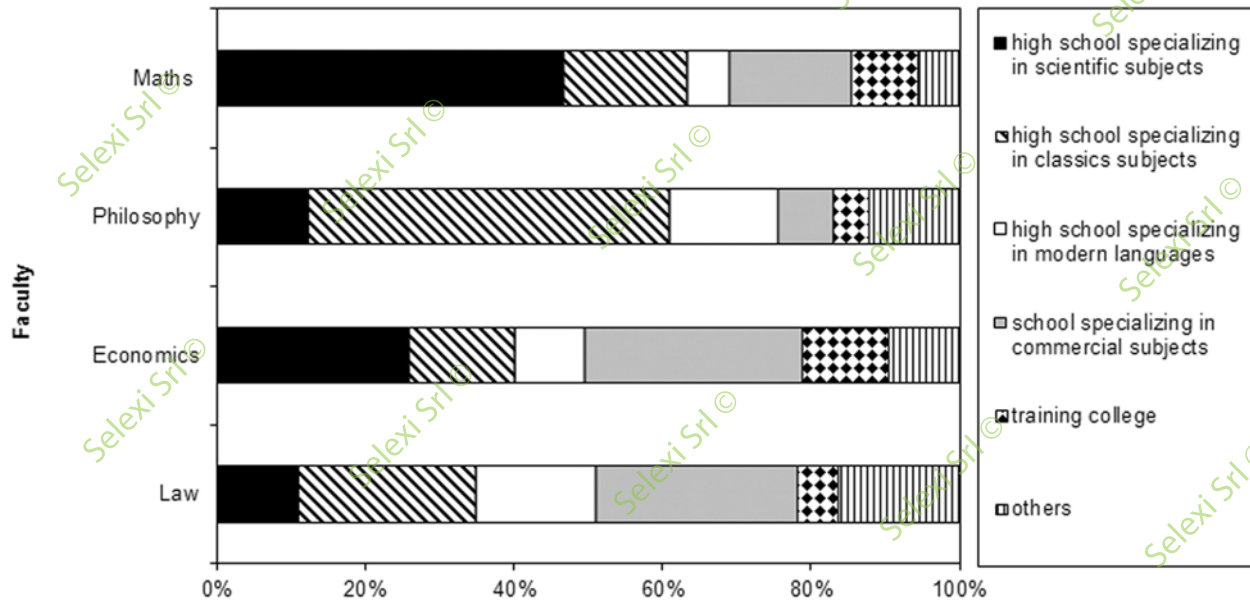
- A) 3
- B) 4
- C) 7
- D) 5
- E) 6

2451 Answer the following question concerning IMAGE TR 78

The mass of how many cubes equals the mass of a pyramid?

- A) 3
- B) 2
- C) 6
- D) 5
- E) 4

CHART SZ 15



2452 Answer the following question concerning CHART SZ 15

In which faculty, among the considered, it is noticed the lower percentage of students from high school specializing in classics subjects?

- A) Maths
- B) Economics
- C) Philosophy
- D) Law
- E) Maths and Economics, equally

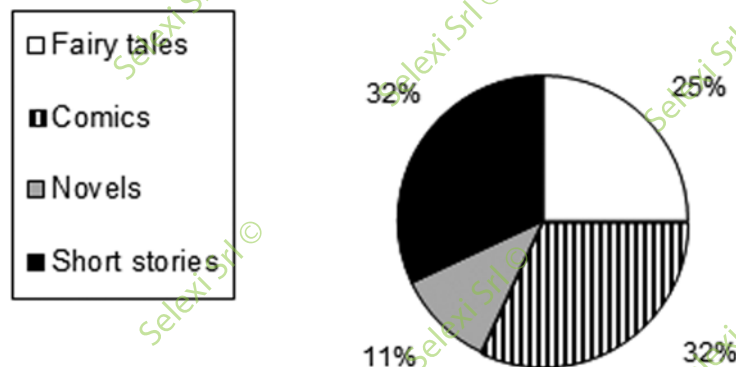
2453 Answer the following question concerning CHART SZ 15

In which faculty, among the considered, there is the higher number of students from high school specializing in scientific subjects?

- A) Maths
- B) Philosophy
- C) Economics
- D) Law
- E) It's not possible to determine it

CHART SZ 18

The graph shows the percentage distribution of requests for the purchase of new books in the Children's Library of the City of X.



2454 Answer the following question concerning CHART SZ 18

Which of the following CANNOT be inferred from the graph?

- A) The number of children who requested new short stories is less than three times the number of children who requested new novels
- B) The number of requests for purchase of short stories was the same as that of requests for comics
- C) Children requested to buy more comics than fairy tales
- D) Children of the City of X read fewer novels than fairy tales
- E) A quarter of the requests for purchases was made up of fairy tales

2455 Answer the following question concerning CHART SZ 18

How many new novels were requested by the children who use the library?

- A) 11
- B) 25
- C) 32
- D) The graph does not allow for an answer
- E) Over 32

2456 Answer the following question concerning CHART SZ 18

If the number of new books purchased in the Children's Library of the City of X was 300:

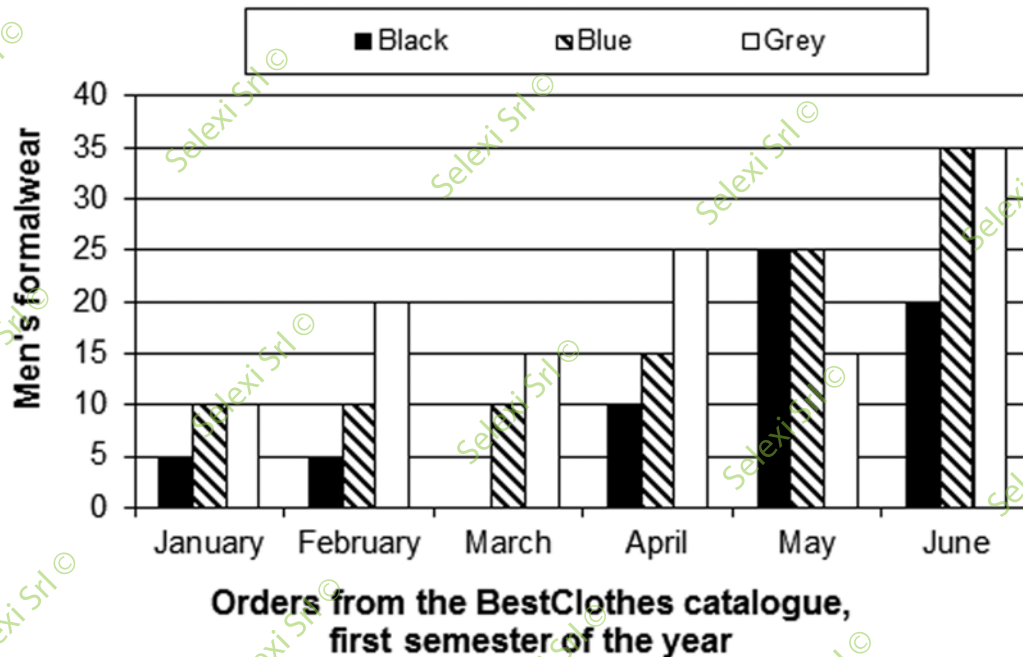
- A) the sum of new novels and new fairy tales would be greater than 100
- B) the number of short stories would be greater than 100
- C) the sum of new comics and new fairy tales would make up over $\frac{7}{12}$ of the total number of new books
- D) the sum of new novels and new short stories would be greater than 150
- E) none of the other answers is correct

2457 Answer the following question concerning CHART SZ 18

Children in the City of X are now asking for schoolbooks. These new requests soon reach 20% of the total number of requests. Given the new situation, what is the new percentage of requests for fairy tales?

- A) 16%
- B) 25%
- C) 15%
- D) 20%
- E) It cannot be determined

CHART SZ 19



2458 Answer the following question concerning CHART SZ 19

Based on the data shown in the graph, the highest number of total orders was recorded in:

- A) June
- B) May
- C) April
- D) April and May
- E) none of the other answers is correct

2459 Answer the following question concerning CHART SZ 19

Based on the data shown in the graph, the smallest number of orders for men's formalwear in black was recorded in:

- A) March
- B) February
- C) January and February
- D) January
- E) May

2460 Answer the following question concerning CHART SZ 19

The number of orders for blue items in the three-month period from March to May:

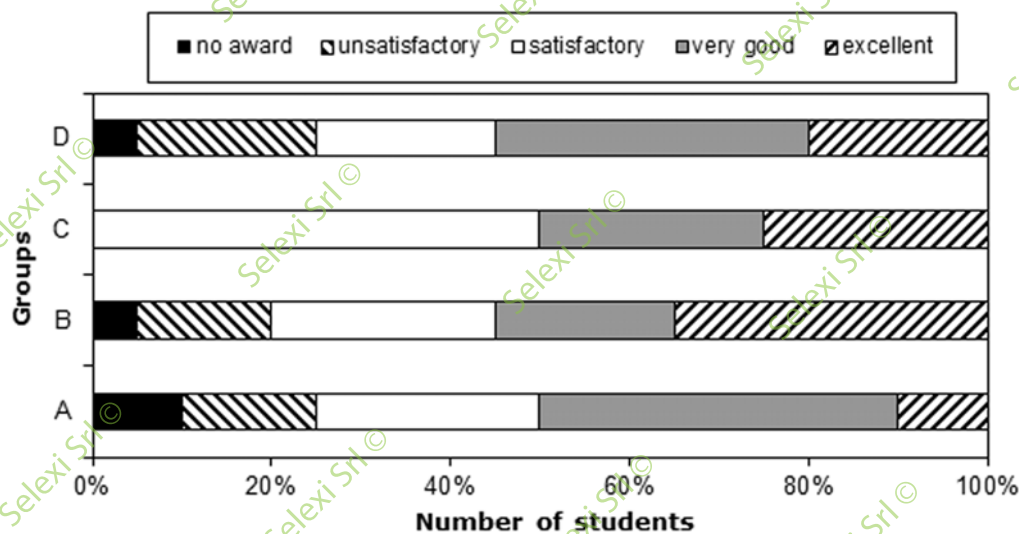
- A) is constantly decreasing
- B) totals 500
- C) totals 50
- D) is constant
- E) totals 5,000

2461 Answer the following question concerning CHART SZ 19**What does the graph represent?**

- A) The men's formalwear manufacturing trend in the first six months of the year for the BestClothes company
- B) The orders for men's formalwear made in the first six months of the year on the BestClothes catalogue
- C) The percentage distribution of men's formalwear manufacturing in the first six months of the year for the BestClothes company
- D) The men's formalwear sales trend in the first six months of the year for the BestClothes company
- E) The percentage distribution of mens's formalwear sales in the first six months of the year for the BestClothes company

CHART SZ 26

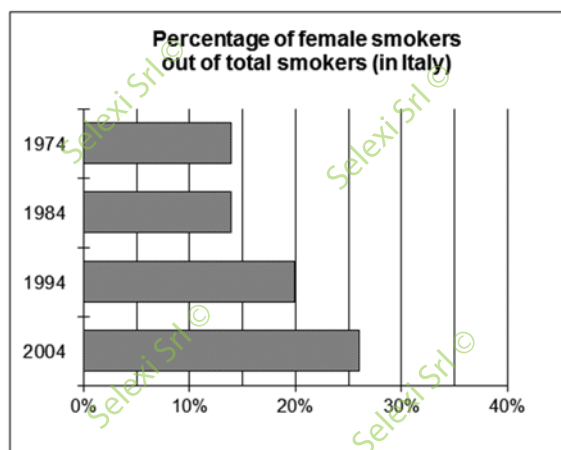
The graphic shows the results of the students taking part of a course. The students were divided in four groups: A, B, C and D. Only the students with a result at least "sufficient" achieved the diploma.

**2462 Answer the following question concerning CHART SZ 26****Which is the percentage of students that got "satisfactory" mark in group A?**

- A) More than 75%
- B) 5%
- C) 20%
- D) Less than 20%
- E) 25%

2463 Answer the following question concerning CHART SZ 26**The highest percentage of diplomas is?**

- A) In group C, equals to 100%
- B) In groups D and A, equally
- C) In group D, equals to 100%
- D) In group B
- E) In group A

CHART SZ 28

	Smokers (in thousands, in Italy)	Age of smokers (divided by age group)		
		Under 25	25-50 years	Over 50
1974	10,500	10%	50%	40%
1984	10,900	15%	50%	35%
1994	12,500	25%	55%	20%
2004	11,200	35%	45%	20%

2464 Answer the following question concerning CHART SZ 28

How many female smokers were there in Italy in 1994?

- A) 12,500,000
- B) 1,250,000
- C) 3,125,000
- D) 1,750,000
- E) 2,500,000

2465 Answer the following question concerning CHART SZ 28

In which of the given years DIDN'T the number of smokers under 25 years of age exceed 2 million?

- A) In 1994 and 2004
- B) Only in 1974
- C) In 1974, 1984 and 1994
- D) In 1974 and 1984
- E) In 1984 and 1994

2466 Answer the following question concerning CHART SZ 28

Based on the data shown in the table, which of the following statements is NOT correct?

- A) The number of female smokers increased between 1974 and 1984
- B) In 1994 over half of smokers were aged between 25 and 50 years
- C) The number of smokers aged under 25 decreased between 1994 and 2004
- D) The number of smokers aged over 50 constantly decreased
- E) More than a quarter of smokers were women in 2004

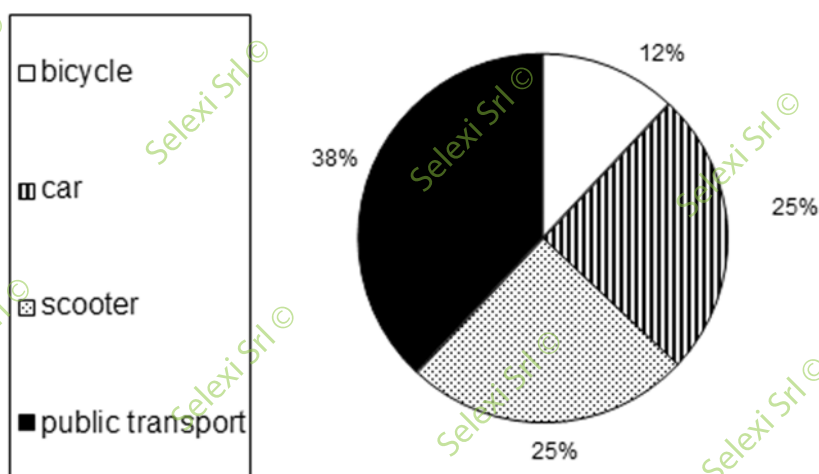
2467 Answer the following question concerning CHART SZ 28

Between 1974 and 1994 the number of smokers aged 25-50 increased by:

- A) 2,000,000 individuals
- B) 1,625,000 individuals
- C) 1,050,000 individuals
- D) 200,000 individuals
- E) 575,000 individuals

CHART SZ 29

Percentage distribution of the means of transport mainly used by citizens of Milan to go to work



2468 Answer the following question concerning CHART SZ 29

What is the percentage of people who do NOT go to work by car?

- A) 50%
- B) 62%
- C) 75%
- D) 80%
- E) 70%

2469 Answer the following question concerning CHART SZ 29

If 2 million people work in Milan, then we can say that:

- A) 1,200,000 people go to work either by scooter or car
- B) 750,000 people use public transport
- C) 900,000 people go to work either by bicycle or by public transport
- D) the difference between those who use public transport and those who go by scooter equals the number of those who go by bike
- E) those who go to work by bicycle or car are only 740,000

2470 Answer the following question concerning CHART SZ 29

If 300,000 people mainly go to work by bicycle, how many people use public transport?

- A) 625,000
- B) 250,000
- C) 780,000
- D) 450,000
- E) 950,000

2471 Answer the following question concerning CHART SZ 29

Which of the following statements is NOT correct given the data contained in the graph?

- A) The number of people who go to work by car or scooter is the same as the number of those who use public transport or a bicycle
- B) One person in four goes to work by car
- C) The number of workers using bicycle is less than one fourth of the number of those using public transport
- D) The majority of workers use public transport
- E) The number of people who go to work by car is the same as the number of those who ride a scooter

CHART SZ 30

2472 Answer the following question concerning CHART SZ 30

What does the graph show?

- A) The real estate market trend in the most residential area of the city of So-And-So
- B) The trend in the cost of living for the city of So-And-So
- C) The rent increase trend in the city of So-And-So
- D) The population density trend in two areas of the city of So-And-So
- E) The real estate market trend in two areas of the city of So-And-So

2473 Answer the following question concerning CHART SZ 30

In which year did one sqm cost 3,000 euros in area 1?

- A) Year 2
- B) Year 4
- C) Year 1
- D) Year 5
- E) Year 3

2474 Answer the following question concerning CHART SZ 30

Which of the following statements is correct, based in the data shown in the graph?

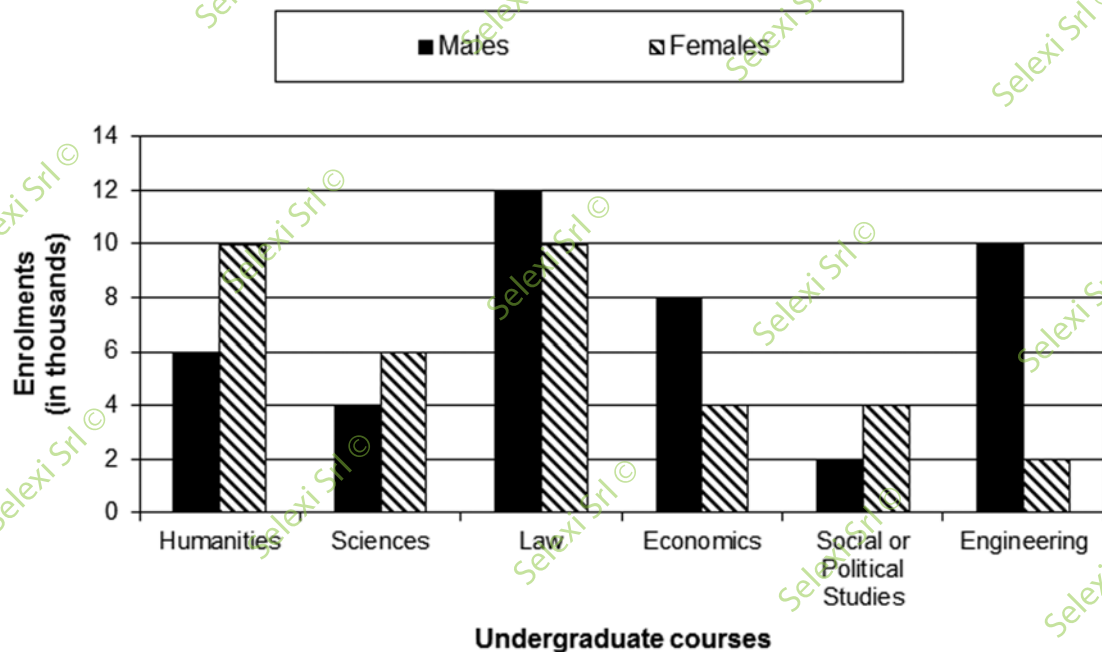
- A) The price per sqm of homes in area 2 of the city of So-And-So constantly increased from year 1 to year 5
- B) The price per sqm of homes in area 1 of the city of So-And-So from year 3 to year 5 was consistently higher than the price per sqm of homes in area 2
- C) The price per sqm of homes in area 2 of the city of So-And-So was consistently lower than the price per sqm of homes in area 1 from year 1 to year 3
- D) The price per sqm of homes in area 2 of the city of So-And-So remained constant from year 1 to year 5
- E) The price per sqm of homes in area 1 of the city of So-And-So constantly decreased from year 1 to year 5

2475 Answer the following question concerning CHART SZ 30**Consider the following:**

- Mark bought a 100 sqm home in area 1 in year 1;
- Andrew bought a 50 sqm home in area 2 in year 5;
- Charles bought a 60 sqm home in area 1 in year 2;
- Lawrence bought a 70 sqm home in area 2 in year 4;
- Matthew bought a 45 sqm home in area 1 in year 3.

Who spent more, altogether, to buy a home?

- A) Lawrence
 B) Andrew
 C) Mark
 D) Charles
 E) Matthew

CHART SZ 31**2476 Answer the following question concerning CHART SZ 31****Which of the following courses registered 12,000 enrolments?**

- A) Sciences
 B) Law
 C) Economics
 D) Humanities
 E) Social or Political Studies

2477 Answer the following question concerning CHART SZ 31**In which course is the percentage of girls enrolling higher than that of boys?**

- A) Economics
 B) Sciences
 C) Law
 D) Social or Political Studies
 E) Humanities

2478 Answer the following question concerning CHART SZ 31

What is the overall number of enrolments?

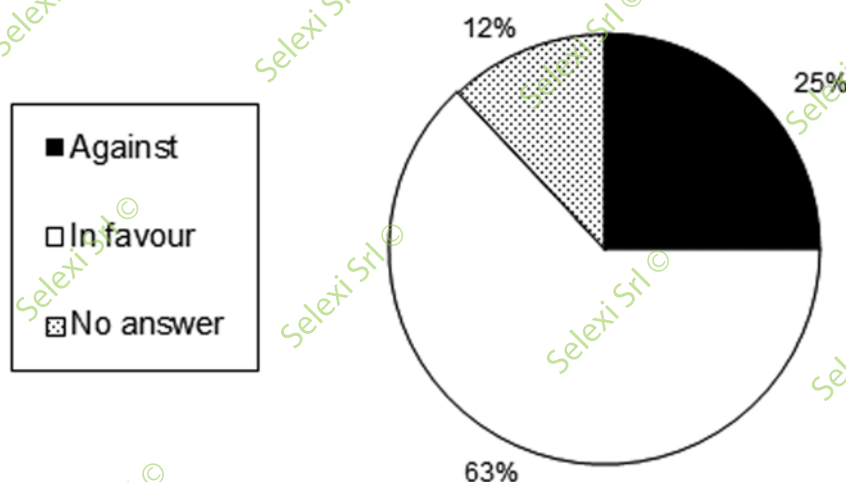
- A) 80,000
- B) 76,000
- C) 78,000
- D) 82,000
- E) 84,000

2479 Answer the following question concerning CHART SZ 31

What does the graph show?

- A) The data concerning enrolments in six different study courses divided by sex
- B) The trend in enrolments for the last two years
- C) The number of graduates divided by sex and study course groups
- D) The percentage of enrolments divided by study course groups
- E) The progressive fall in the number of enrolments at the university

CHART SZ 32



2480 Answer the following question concerning CHART SZ 32

If 1,800 people were interviewed, how many of them were in favour?

- A) 1,350
- B) 216
- C) 666
- D) 450
- E) 1,134

2481 Answer the following question concerning CHART SZ 32

Which of the following statements is NOT correct with reference to the data shown in the graph?

- A) More than $\frac{2}{3}$ of interviewed people were in favour
- B) More than $\frac{1}{5}$ of interviewed people were against
- C) Less than $\frac{1}{8}$ of interviewed people did not give an answer
- D) Less than $\frac{3}{4}$ of interviewed people were in favour
- E) Less than $\frac{1}{3}$ of interviewed people were against

2482 Answer the following question concerning CHART SZ 32

What is the percentage of interviewed people who were NOT in favour?

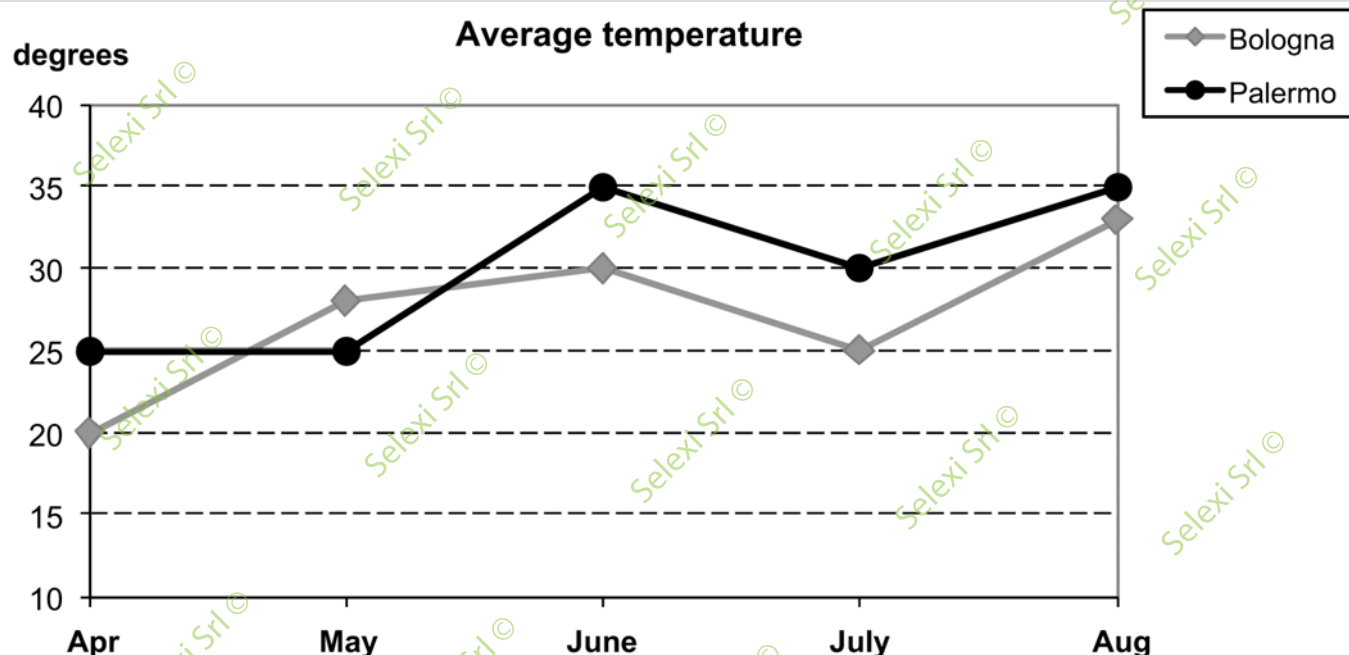
- A) 63%
- B) 50%
- C) 37%
- D) 75%
- E) 88%

2483 Answer the following question concerning CHART SZ 32

If the sample was made up of 2,400 people, how many of them preferred not to give an answer?

- A) 240
- B) 288
- C) 188
- D) 334
- E) 200

CHART SZ 33



2484 Answer the following question concerning CHART SZ 33

What was the difference in degrees between the highest average temperature recorded in Bologna and the average lowest temperature recorded in Palermo during the five-month period?

- A) 5°
- B) 15°
- C) 10°
- D) 3°
- E) 7.5°

2485 Answer the following question concerning CHART SZ 33

What was the average temperature in Bologna and Palermo, respectively, in the five months considered?

- A) 25° and 30°
- B) 23.5° and 27.5°
- C) 27° and 30°
- D) 20° and 25°
- E) 29.5° and 32.5°

2486 Answer the following question concerning CHART SZ 33

In which month was the average temperature recorded in Bologna higher than the average temperature recorded in Palermo?

- A) April
- B) May
- C) June
- D) July
- E) August

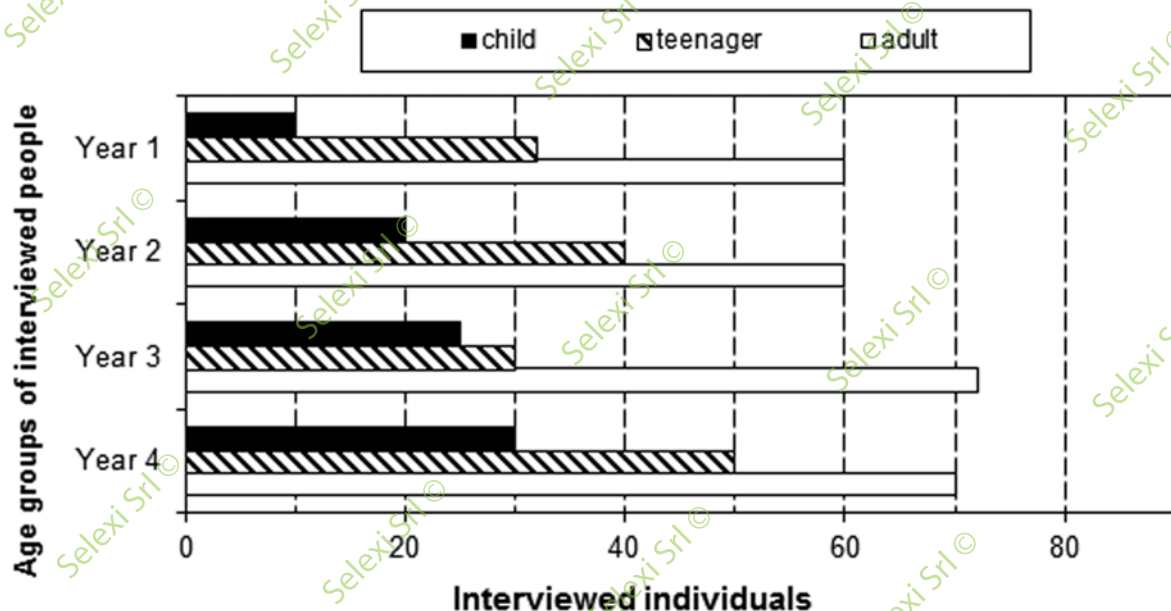
2487 Answer the following question concerning CHART SZ 33

What does the graph show?

- A) The average temperature registered in two Italian cities over the year
- B) The trend in the average temperatures registered in two Italian cities during five months
- C) The increase in temperature registered in two Italian cities over five months
- D) The trend in the temperatures registered in two Italian cities
- E) The trend in the maximum temperatures registered in two Italian cities over five months

CHART SZ 43

A survey was carried out on the number of people who underwent psychotherapy in a public health care centre in Milan, divided by age group, from Year 1 to Year 4.



2488 Answer the following question concerning CHART SZ 43

How many people, approximately, underwent psychotherapy in the public health care centre in Year 3?

- A) 100
- B) 115
- C) 110
- D) 120
- E) 130

2489 Answer the following question concerning CHART SZ 43

On the basis of the results shown in the graph, it can be inferred that:

- A) the total number of children who underwent psychotherapy in the four years considered was about 50
- B) the majority of the centre's patients are teenagers
- C) from Year 3 to Year 4 the number of children who underwent psychotherapy increased by 5%
- D) from Year 1 to Year 2 the number of children who underwent psychotherapy had a greater percent increase than the number of teenagers who underwent psychotherapy
- E) from Year 2 to Year 3 the number of teenagers who underwent psychotherapy decreased by 10%

2490 Answer the following question concerning CHART SZ 43

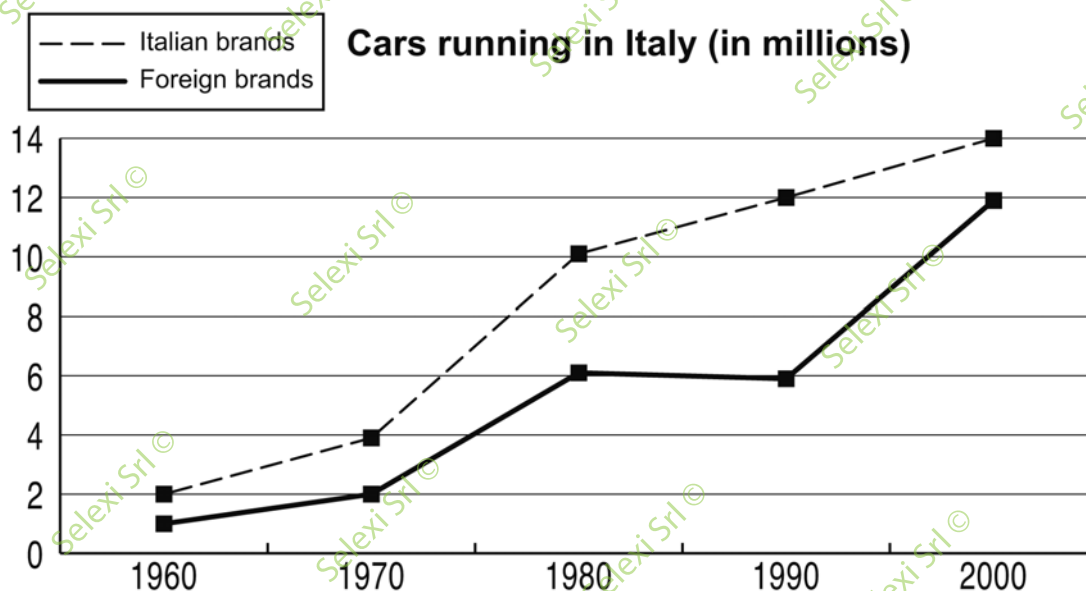
The growth of the percentage of the cared children between the Year 3 and the Year 4, was:

- A) 25%
- B) 30%
- C) 20%
- D) 50%
- E) 40%

2491 Answer the following question concerning CHART SZ 43

Which of the following sentences, concerning the teenagers underwent psychotherapy in the public health care centre, is true?

- A) In Year 4, they represent the 5% of the people underwent psychotherapy
- B) From Year 1 to Year 4, their number is increased each year, although in irregular way
- C) In Year 3 the number of adults was double of the teenagers' one
- D) From Year 1 to Year 2, their number is increased more than the number of the children
- E) From the Year 2 to the Year 3, their number decreased of 25%

CHART SZ 44**2492 Answer the following question concerning CHART SZ 44**

Which of the following statements CANNOT be inferred by looking at the graph?

- A) The total number of cars increased in every decade
- B) The total number of cars – including both Italian and foreign cars – running in Italy in 2000 was approximately 26 million
- C) Foreign cars running in Italy increased in both the '70s and the '90s
- D) The number of Italian cars exported abroad increased over the last 20 years considered
- E) Increase in the number of foreign cars running in Italy was not constant

2493 Answer the following question concerning CHART SZ 44

Based on the data shown in the graph, it can be stated that:

- A) Italian cars will be 16 million in 2016
- B) the ratio of Italian cars to foreign cars in 2000 was the same as that registered in 1970
- C) foreign cars increased the most over the four decades considered
- D) the number of Italian cars was about double the number of foreign cars in three decades
- E) there was one car every two inhabitants in Italy in 2000

2494 Answer the following question concerning CHART SZ 44

Considering the trend of foreign cars, we can say that:

- A) the number of foreign cars increased more than the number of Italian cars in the last decade considered
- B) the import of foreign cars decreased in the last decade considered
- C) there were more foreign cars than Italian cars in the last decade considered
- D) the percent increase of foreign cars registered in the 1990s is smaller than the one that was registered in the 1980s
- E) in 2010 there will be more foreign cars than Italian cars

2495 Answer the following question concerning CHART SZ 44

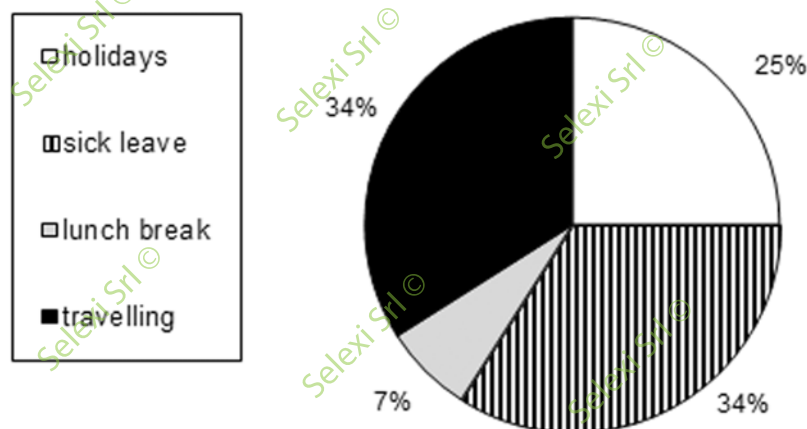
Which of the following statements is correct, according to the data shown in the graph?

- A) The number of foreign cars always increased in the last two decades considered
- B) The gap between Italian and foreign cars peaked in 1980
- C) The number of Italian cars increased more than the number of foreign cars in the last two decades considered
- D) No foreign cars were purchased in the 1980s
- E) In terms of decades, the greater percent increase in the total number of cars – including both Italian and foreign cars – took place in the 1970s

CHART SZ 48

The chart shows the breakdown of paid working hours of a skilled worker.

Percentage distribution of paid working hours

**2496 Answer the following question concerning CHART SZ 48**

Which of the following statements is certainly FALSE, on the basis of the chart's data?

- A) The time spent by the worker on lunch breaks and holidays did not occupy most of his paid hours
- B) The time spent by the worker on lunch breaks and sick leave occupied most of his working hours
- C) The time spent by the worker on holidays and sick leave occupied most of his paid hours
- D) The time spent by the worker travelling and on holidays occupied most of his paid hours
- E) The time spent by the worker on sick leave is equal to that spent travelling

2497 Answer the following question concerning CHART SZ 48

Which of the following statements is certainly true on the basis of the chart's data?

- A) The worker is paid an extra amount for travel time
- B) The worker has got many paid holidays
- C) The worker is paid for sick leave hours
- D) The worker has poor health
- E) The worker spends few hours a year on lunch break

2498 Answer the following question concerning CHART SZ 48

If the worker worked for a total of 160 hours, how many hours did he spend travelling?

- A) About 35
- B) About 55
- C) About 70
- D) About 12
- E) About 95

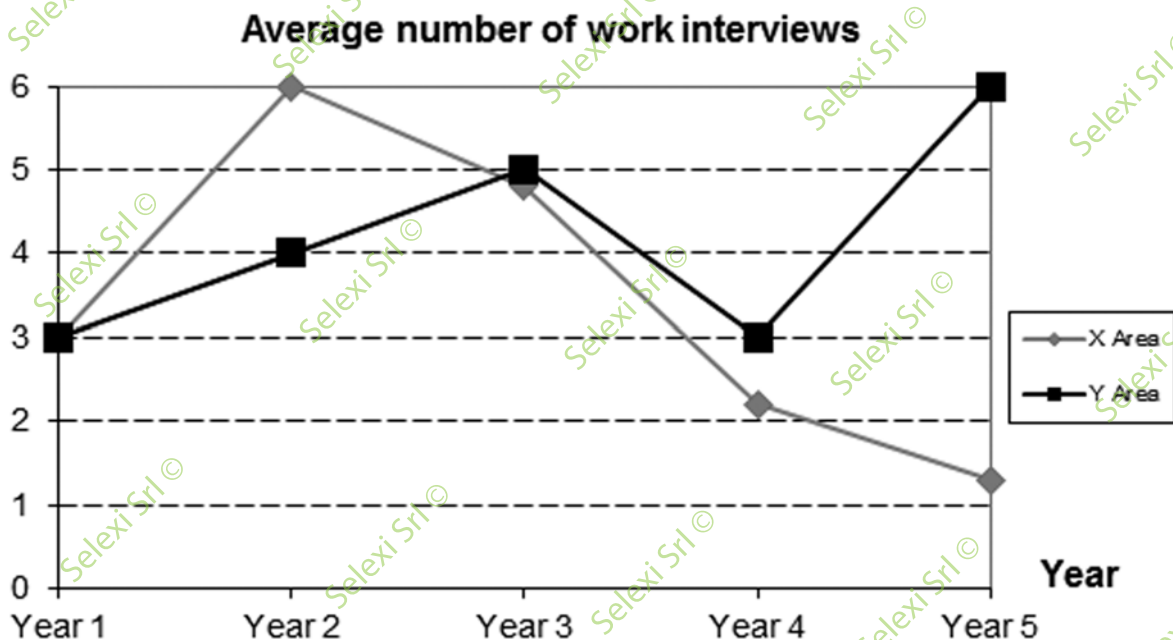
2499 Answer the following question concerning CHART SZ 48

Which of the following statements is correct on the basis of the chart's data?

- A) The worker spent an equal number of hours on lunch break and travelling
- B) More than a quarter of the hours have been spent on holidays
- C) The total time spent on lunch break and holidays is less than the time spent on sick leave
- D) The worker spent less than one third of his paid hours travelling
- E) If the total of paid hours was 150, 30 of these were spent on holidays

CHART SZ 49

The graph shows the result of a five-year survey on youth employment carried out in two different areas, X and Y. In particular, it shows the average number of job interviews that young people need to have before being hired.



2500 Answer the following question concerning CHART SZ 49

According to the graph data, the X area, compared to the Y area:

- A) none of the other statements is correct
- B) showed, at the end of the survey, the same average number of job interviews prior to hiring
- C) has higher youth employment rates
- D) is more industrialized
- E) has lower youth employment rates

2501 Answer the following question concerning CHART SZ 49

Based on the data shown in the graph, which of the following statements is certainly NOT correct?

- A) The average number of job interviews prior to hiring shows an irregular trend (sometimes increasing, sometimes decreasing) both in area X and in area Y
- B) The average number of job interviews prior to hiring can be used to study youth unemployment
- C) The number of unemployed youth in area X is greater than in area Y
- D) In area Y, during Year 4, the average number of job interviews prior to hiring is greater than in area X
- E) The average number of job interviews prior to hiring may be significantly different from one geographical area to the next

2502 Answer the following question concerning CHART SZ 49

Based on the data reported on the graph, in the X area:

- A) there is more unemployment than in area Y
- B) the average number of job interviews prior to hiring increased from Year 3 to Year 4
- C) the average number of job interviews prior to hiring has always been higher than in area Y
- D) the average number of job interviews prior to hiring in Year 2 was lower than in area Y
- E) the average number of job interviews prior to hiring decreased from Year 4 to Year 5

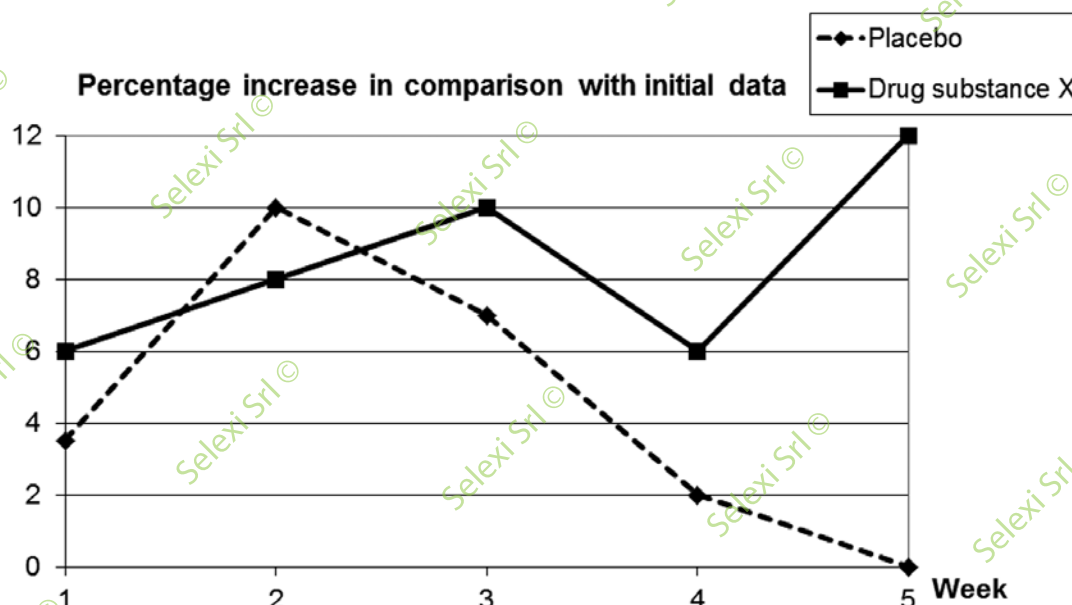
2503 Answer the following question concerning CHART SZ 49

Based on the data shown by the graph, which of the following conclusions can we draw?

- A) In the two areas considered the number of interviews prior to hiring saw a considerable increase during the five-year period from Year 1 to Year 5
- B) The average number of interviews prior to hiring, as regards area X, was highest in Year 5
- C) Before being hired, each person involved in the study had from 1 to 7 interviews
- D) The high unemployment rate is due to the great number of interviews people must go through before being hired
- E) From Year 4 to Year 5, the gap between the average number of interviews recorded in area X and the one recorded in area Y was on the increase

CHART SZ 52

The graph shows the percentage increase of the level of a specific hormone in a sample of individuals that were given drug substance X and in a sample that received a placebo.

**2504 Answer the following question concerning CHART SZ 52**

Based solely in what is shown in the graph, we can surely say that:

- A) after six weeks, in a subject who took substance X the hormone shows higher values than at time zero
- B) after six weeks, in a subject receiving a placebo the hormone shows lower values than at time zero
- C) if a subject shows too high values of the hormone in question, a placebo therapy is recommended
- D) the hormone values are always higher in the group taking substance X than in the group taking a placebo
- E) between the third and fifth week, the gap between the hormone values registered in the two groups increases

2505 Answer the following question concerning CHART SZ 52

Which of the following statements is correct based on the data reported in the graph?

- A) The group receiving a placebo never registers a decrease in hormone values
- B) Starting from the second week, the group receiving a placebo always registers a decrease in hormone values
- C) Between the first and the second week, substance X induces an increase in hormone levels equal to 10% of the initial value
- D) The group receiving substance X registers an increase in hormone values all weeks
- E) In the group receiving substance X, hormone values double for three consecutive weeks

2506 Answer the following question concerning CHART SZ 52

Which one of the following can be correctly inferred from the graph?

- A) In the fourth week of administration the percentage increase of hormone values in subjects who received substance X was lower than in subjects who received a placebo
- B) The percentage increase of hormone values in subjects who were administered a placebo is always lower than that of subjects who were administered substance X
- C) If we compare the data referring to subjects who received a placebo and those who received substance X, it appears that the latter has no effect
- D) Between the third and the fourth week the quantity of hormone present in the two samples decreased by the same percentage
- E) In the third week of administration the percentage increase of hormone values in subjects who received substance X was higher than in subjects who received a placebo

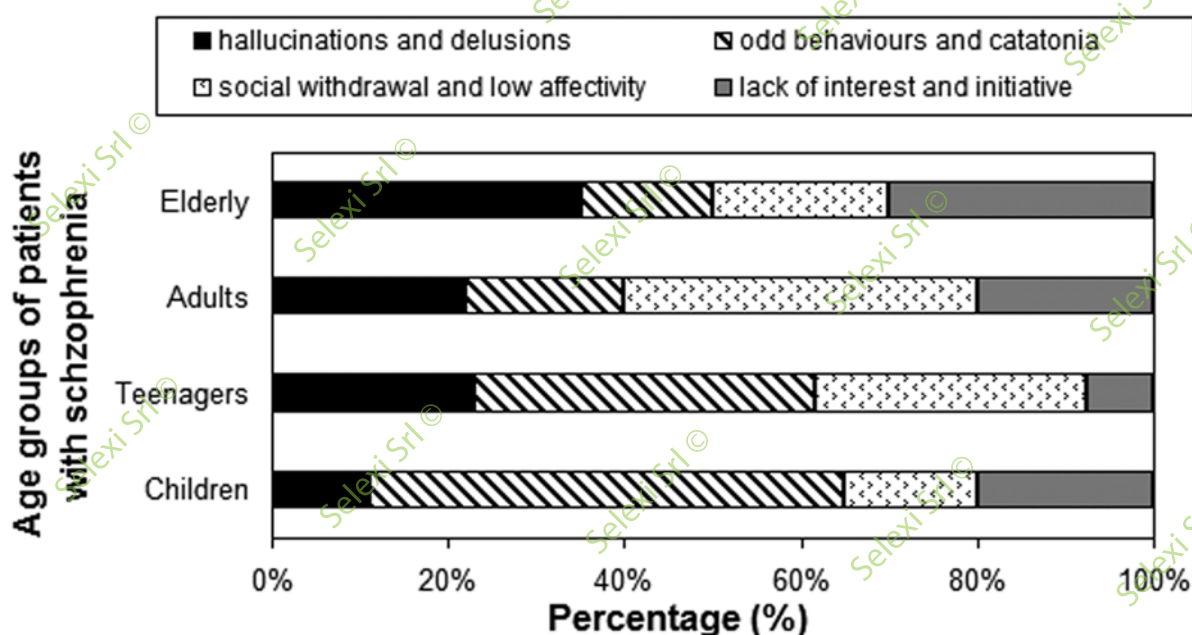
2507 Answer the following question concerning CHART SZ 52

Based on the graph contents, which of the following statements is certainly correct?

- A) The amount of hormone present in a subject increases with time if substance X is administered for 5 weeks
- B) The number of subjects who took a placebo is greater than the number of those who took substance X
- C) If healthy subjects take substance X, that exposes them to a greater risk of disease than if they took a placebo
- D) The amount of placebo administered to the subjects decreases over time
- E) Taking a placebo resulted in a constant increase of substance X

CHART SZ 54

A study has been conducted on the symptoms of schizophrenia, a non-organic functional psychosis that affects approximately 1% of the Italian population and most often develops between the age of 20 and 30. In particular, the chart associates the percentage distribution of the main symptoms of the psychosis with the age of the schizophrenic patients: child (0-11 years of age), teenager (12-17 years), adult (18-55 years) and elderly person (56 and over).

**2508 Answer the following question concerning CHART SZ 54**

On the basis of the study results represented in the chart, it may be stated that, in children with schizophrenia:

- A) hallucinations and delusions are prevalent
- B) the percentage of odd behaviours and catatonia is lower than in adults
- C) the percentage of hallucinations and delusions is higher than in elderly patients
- D) odd behaviours and catatonia are prevalent
- E) the percentage of social withdrawal and lack of initiative is higher than in teenagers

2509 Answer the following question concerning CHART SZ 54

On the basis of the study results represented in the chart, it may be stated that:

- A) among teenagers, the percentage of hallucination and delusion symptoms is double that of lack of interest and initiative symptoms
- B) among adults, the percentage of odd behaviour and catatonia symptoms is half that of lack of interest and initiative symptoms
- C) among the elderly, the percentage of lack of interest and initiative symptoms is double than that of social withdrawal and low affectivity
- D) among children, the percentage of hallucination and delusion symptoms is double that of lack of interest and initiative symptoms
- E) among the elderly, the percentage of odd behaviour and catatonia symptoms is half that of lack of interest and initiative symptoms

2510 Answer the following question concerning CHART SZ 54

Hallucination and delusion symptoms and odd behaviour and catatonia symptoms fall within the category of the so-called “positive symptoms”. Social withdrawal and low affectivity symptoms and lack of interest and initiative symptoms constitute what are known as “negative symptoms”. Based on this information, it may be concluded that:

- A) “positive symptoms” and “negative symptoms” are equally distributed in adults
- B) “negative symptoms” predominate in the elderly
- C) “negative symptoms” predominate in teenagers
- D) “positive symptoms” predominate in adults
- E) “positive symptoms” predominate in children

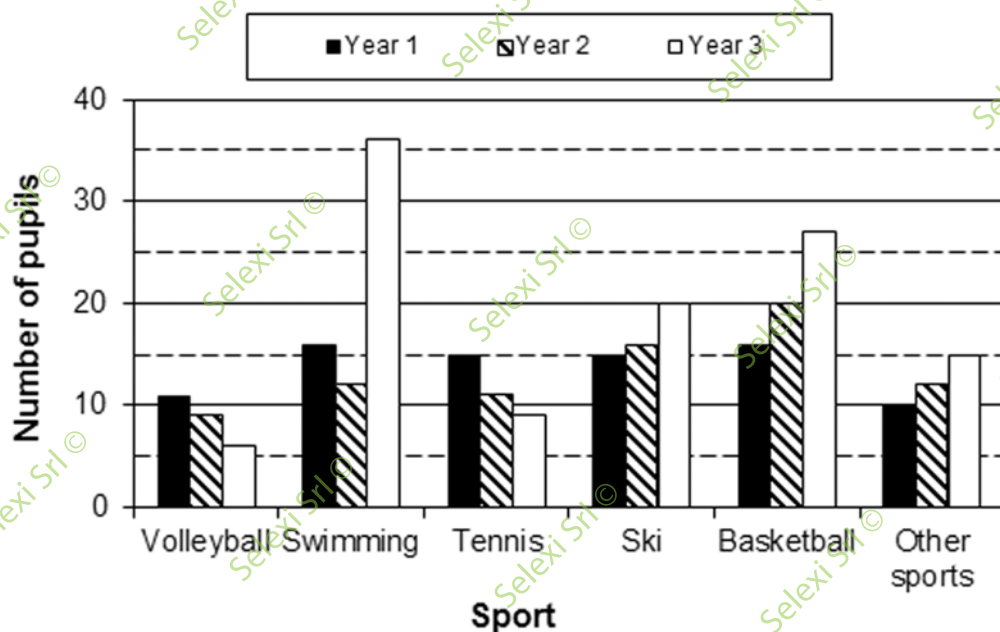
2511 Answer the following question concerning CHART SZ 54

On the basis of the study results represented in the chart, it may be stated that:

- A) hallucination and delusion symptoms are prevalent in teenagers
- B) lack of interests and initiative is equally present in children and in adults
- C) in all age ranges, lack of initiative and interest symptoms occur to a lower extent than any other symptom
- D) catatonia and odd behaviours are prevalent in adults with schizophrenia
- E) social withdrawal and low affectivity symptoms are prevalent in all age ranges

CHART SZ 57

The graph shows some data on the number of pupils of a middle school who play sport.

**2512 Answer the following question concerning CHART SZ 57**

Referring to the graph from Year 2 to Year 3, who showed a greater percentage increase, pupils practising skiing or those practising other sports?

- A) They both increased by about 50%
- B) They both increased by about 25%
- C) Those who practised other sports
- D) Those who practised skiing
- E) They both decreased

2513 Answer the following question concerning CHART SZ 57

From the graph you can draw all the following conclusions except one. Which one?

- A) In the three-year period considered, about 65 young people altogether practised swimming
 - B) From Year 1 to Year 2 the number of young people practising volleyball decreased
 - C) From Year 2 to Year 3 the highest percentage increase in people practising sports was recorded among those who practised swimming
 - D) If the number of young people who practise skiing is a good indicator for the amount of snow that falls in winter, less snow fell in Year 3 than in Year 2
 - E) The number of sports-devoted people who practised tennis decreased from Year 1 to Year 2
-

2514 Answer the following question concerning CHART SZ 57

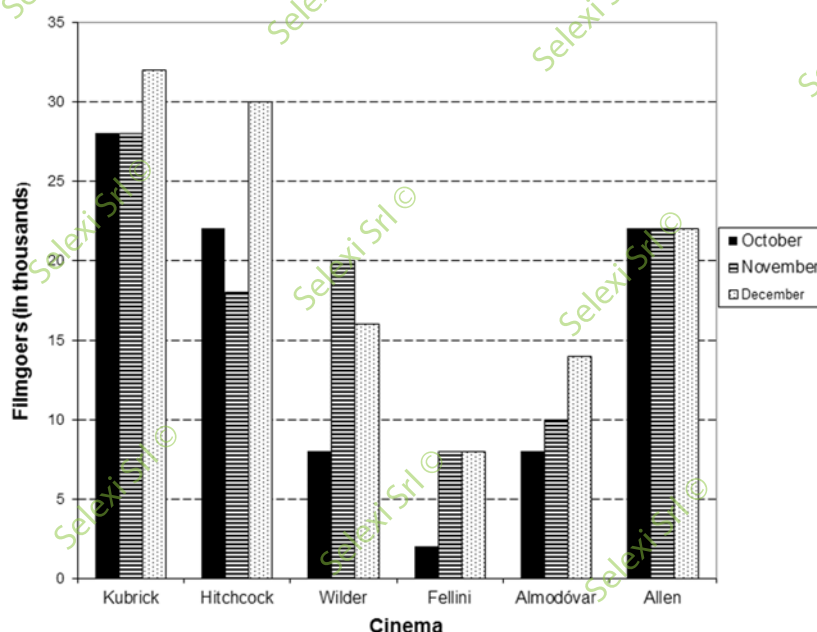
Based on the data shown in the graph, how many pupils practised one sport in Year 1?

- A) About 100
 - B) About 95
 - C) About 85
 - D) About 70
 - E) About 145
-

2515 Answer the following question concerning CHART SZ 57

Based on the data shown in the graph, what change did the number of pupils practising one sport undergo from Year 2 to Year 3?

- A) It cannot be determined
 - B) It increased by about 55%
 - C) It remained more or less the same, even with sensible changes in the number of pupils who practised each sport
 - D) It increased by about 40%
 - E) The number of pupils practising tennis decreased from Year 1 to Year 2
-

CHART SZ 61

2516 Answer the following question concerning CHART SZ 61

What does the graph represent?

- A) The decrease in the number of spectators in cinemas over the last months
- B) The fact that in all cinemas considered, except the Wilder cinema, December is the month of the year registering the highest number of spectators
- C) The capacity of six cinemas named after six famous directors
- D) The increase of spectators in Italian cinemas in December compared to the two previous months
- E) The number of spectators in the months of October, November and December in six cinemas named after six famous directors

2517 Answer the following question concerning CHART SZ 61

How many spectators did cinema Almodóvar have in December?

- A) About 14,000
- B) About 10,000
- C) About 7,500
- D) About 16,500
- E) About 31,500

2518 Answer the following question concerning CHART SZ 61

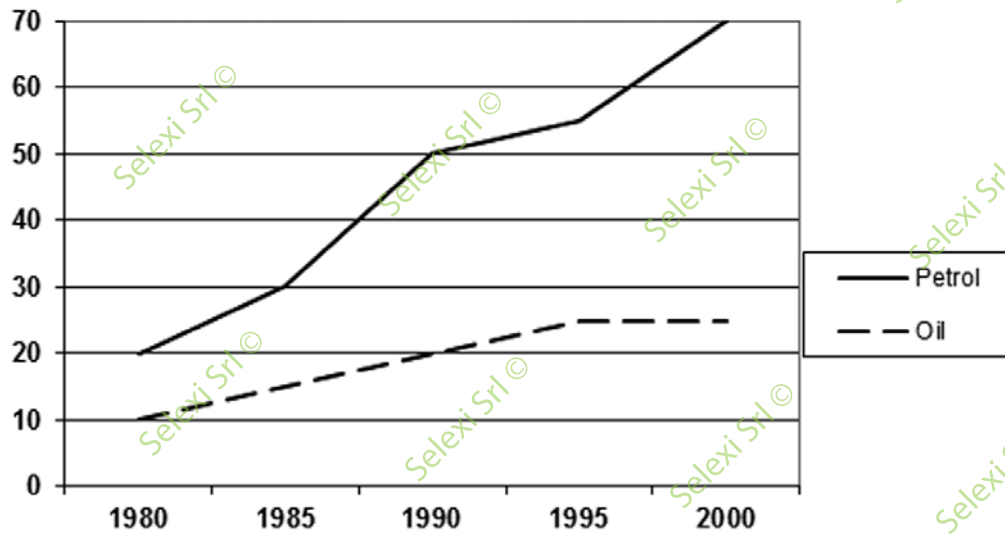
Which of the following statements is correct, based on the data reported in the graph?

- A) In December the Kubrick cinema and the Hitchcock cinema had exactly the same number of spectators
- B) In December the Wilder cinema had about 4,000 spectators less than in November
- C) The Allen cinema had the same number of spectators in the months of September and November
- D) The Hitchcock cinema had more spectators in October than the Almodóvar cinema in all three months together
- E) The percentage increase in number of spectators between October and November was equal to the one registered between November and December in the six cinemas considered

2519 Answer the following question concerning CHART SZ 61

Which cinema had the greatest number of spectators in the three months considered?

- A) Hitchcock
- B) Wilder
- C) Kubrick
- D) Allen
- E) Kubrick and Hitchcock, which had the same number of spectators

CHART SZ 64**Consumer price (dollar per barrel)**

2520 Answer the following question concerning CHART SZ 64

What does the graph show?

- A) The world production of oil and petrol expressed in dollars per barrel
- B) The comparison between petrol and oil producer prices
- C) The trend in petrol and oil consumer prices
- D) The growing fuel consumption in the world
- E) The average fuel spending per capita

2521 Answer the following question concerning CHART SZ 64

Which of the following statements is correct based on the graph data?

- A) In the ten-year period between 1980 and 1990 petrol and oil prices showed the same percentage increase
- B) The increase in petrol prices was greater than the increase in oil prices
- C) Oil prices showed the greatest increase between 1995 and 2000
- D) Petrol prices doubled in the last 10 years considered
- E) The prices of petrol and oil increased at a constant rate

2522 Answer the following question concerning CHART SZ 64

Which of the following CANNOT be inferred based on the graph data?

- A) Between 1980 and 2000 oil prices showed a more contained rise than petrol prices
- B) Petrol and oil prices have always increased between 1980 and 2000
- C) Considering five-year periods, the largest percentage increase in petrol prices was recorded in the period between 1985 and 1990
- D) Petrol consumption tripled in the last twenty years
- E) The average yearly increase of oil prices in the last twenty years considered was lower than 10%

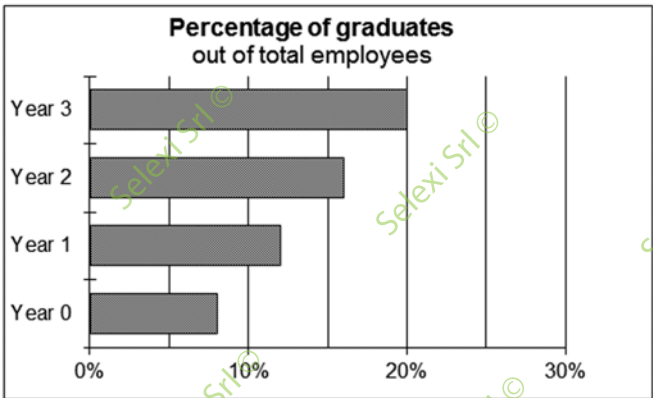
2523 Answer the following question concerning CHART SZ 64

Looking at the trend in petrol prices, we can say that:

- A) looking at five-year periods, the greatest variation in absolute terms can be seen in the period between 1995 and 2000
- B) in the last twenty years in question the price increased by 130%
- C) in the last twenty years considered the price more than tripled
- D) petrol prices showed the same percentage increase between 1980 and 1985, and between 1990 and 1995
- E) the percentage increase registered in the ten-year period between 1990 and 2000 is greater than the one registered between 1980 and 1990

CHART SN 02

The graph and table show some data of the employees of the Omega multinational corporation.



		Age of employees (divided by age group)		
		Under 30	30-50 years	Over 50
Year 0	1,870	32%	48%	20%
Year 1	2,000	28%	50%	22%
Year 2	2,100	25%	51%	24%
Year 3	2,130	22%	53%	25%

2524 Answer the following question concerning CHART SN 02

How many graduate employees were there in Year 3?

- A) 615
- B) 512
- C) 923
- D) 170
- E) 426

2525 Answer the following question concerning CHART SN 02

If in Year 1 the end-of-year bonus for each employee was 2,000 dollars, what was the total expenditure due to bonuses for employees between 30 and 50 years of age in that year?

- A) 2,5 million dollars
- B) 5 million dollars
- C) 1,795,200 dollars
- D) 200,000 dollars
- E) 2 million dollars

- 2526 Answer the following question concerning CHART SN 02
- What was the percent change in the number of employees between Year 1 and Year 2?
- A) About 3%

B) 20%

C) 5%

D) 10%

E) About 7%

- 2527 Answer the following question concerning CHART SN 02
- How many employees were aged under 30 in Year 2?
- A) 750

B) 875

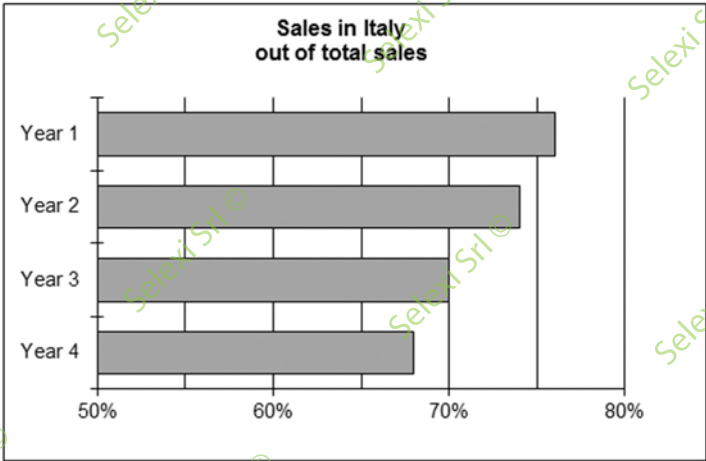
C) 250

D) 1050

E) 525

CHART SN 06

The graph and chart show some data on the sales of the Sigma paper factory in a four-year period.



	Total no. of sold items	Sales (divided by product)		
		Notebooks	Cards & Envelopes	Ring binders
Year 1	410,000	65%	15%	20%
Year 2	432,000	67%	12%	21%
Year 3	446,000	68%	15%	17%
Year 4	500,000	70%	10%	20%

- 2528 Answer the following question concerning CHART SN 06
- How many ring binders did the paper factory sell in 2005?
- A) 410,000

B) 82,000

C) 8,200

D) 41,000

E) 4,100

- 2529 Answer the following question concerning CHART SN 06
- In which year did the paper factory sell more abroad than in Italy in percent terms?
- A) 2007

B) 2006

C) 2005

D) 2008

E) 2005 and 2006, with the same percentage

2530 Answer the following question concerning CHART SN 06

If in 2008 the average revenue per sold notebook was 2 euros, what was the revenue generated by the overall sale of notebooks that year?

- A) 700,000 euros
- B) 7 million euros
- C) 5 million euros
- D) 1 million euros
- E) 350,000 euros

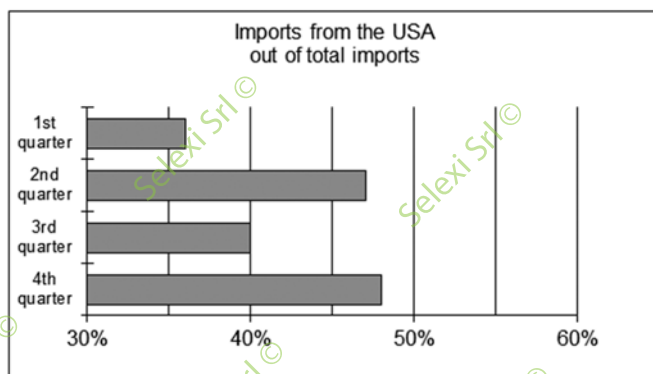
2531 Answer the following question concerning CHART SN 06

What was the percent variation in overall sales between 2005 and 2006?

- A) About 30%
- B) About 20%
- C) About 5%
- D) About 45%
- E) About 70%

CHART SN 09

The graph and table show a number of data on the import of IT tools by the Omicron distribution chain in the four quarters of one year.



	Total number of imports	Imports (divided by product)		
		Computers	Printers	Modems
1 st quarter	3,500	50%	32%	18%
2 nd quarter	4,900	51%	25%	24%
3 rd quarter	5,600	58%	25%	25%
4 th quarter	8,600	55%	27%	27%

2532 Answer the following question concerning CHART SN 09

If in the 1st quarter the average revenue per imported computer was 4,000 dollars, what was the revenue generated by the overall import of computers in that quarter?

- A) 7 million dollars
- B) 350 million dollars
- C) 50 million dollars
- D) 3.5 million dollars
- E) 70 million dollars

2533 Answer the following question concerning CHART SN 09

What was the number of imported printers in the third quarter?

- A) 3,248
- B) 1,400
- C) 2,450
- D) 1,225
- E) 2,700

2534 Answer the following question concerning CHART SN 09

What was the number of overall imports from the USA in the third quarter?

- A) 2,240
- B) About 5,000
- C) About 10,000
- D) About 1,000
- E) 3,360

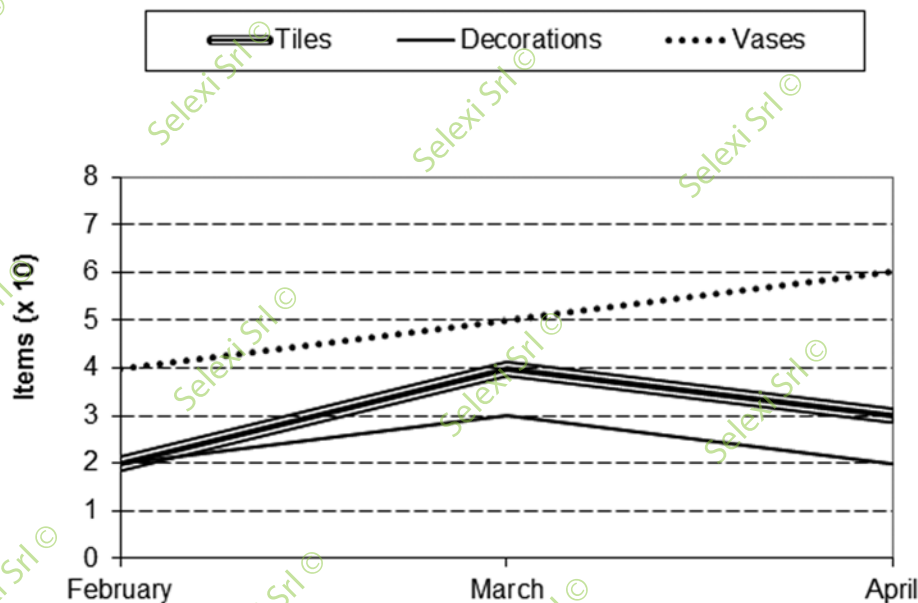
2535 Answer the following question concerning CHART SN 09

What was the percent variation in imports between the first and the second quarter?

- A) 14%
- B) About 25%
- C) About 60%
- D) 40%
- E) About 50%

CHART SN 19

The graph shows some data on the number of items sold by a pottery.



2536 Answer the following question concerning CHART SN 19

How many tiles were sold in the three months considered?

- A) 90
- B) 900
- C) 80
- D) 70
- E) 60

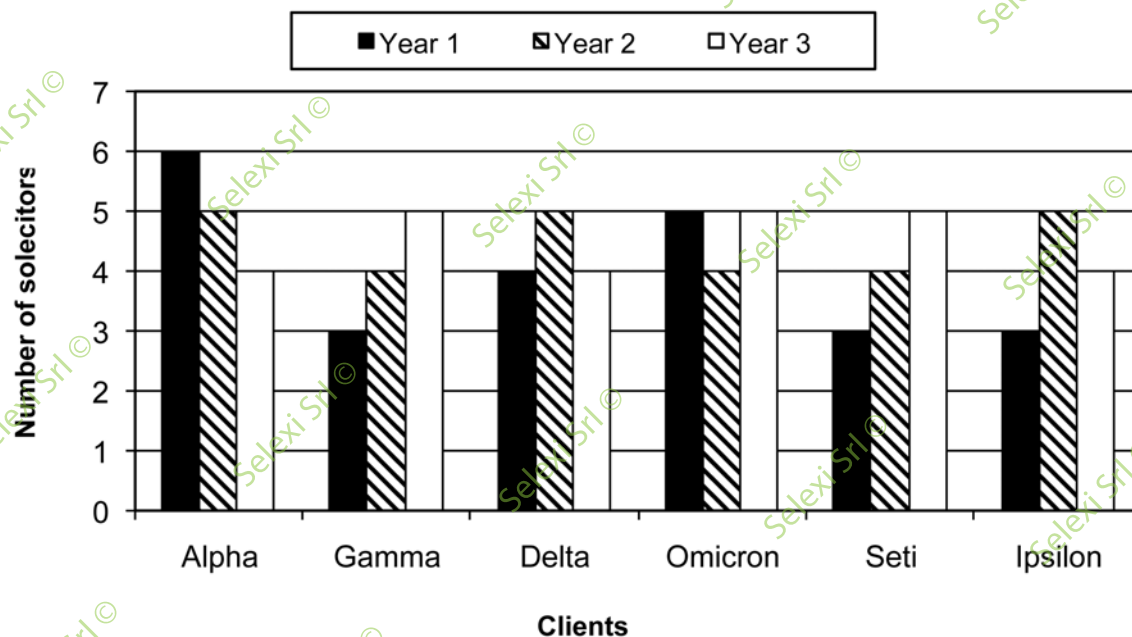
2537 Answer the following question concerning CHART SN 19

Which of the following statements can be inferred from the graph?

- A) Overall, more tiles and decorations than vases were sold in March
- B) More decorations than tiles were sold in April
- C) The number of tiles sold decreased from February to March
- D) Overall, more tiles and decorations than vases were sold in April
- E) The sale of decorations never decreased in the three months considered

CHART SN 58

The graphic shows data about the number of solicitors involved to follow the activity of some clients of the law firm **Saccomani**.



2538 Answer the following question concerning CHART SN 58

Between Year 1 and Year 3, how many solicitors were involved altogether to follow the activities of client Ipsilon?

- A) 5
- B) 3
- C) 11
- D) 12
- E) 10

2539 Answer the following question concerning CHART SN 58

How many solicitors were involved altogether to follow all the clients in Year 1?

- A) 11
- B) 24
- C) 9
- D) 29
- E) 6

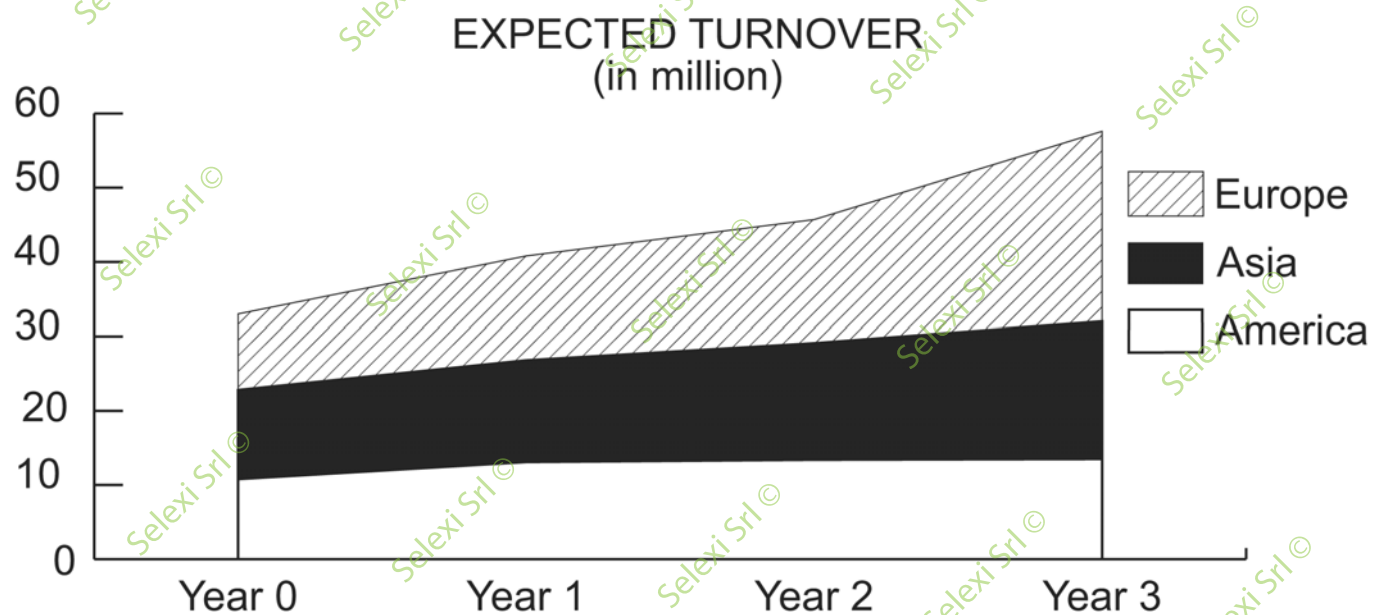
2540 Answer the following question concerning CHART SN 58

From Year 1 to Year 2, increased more the solicitors employed for the client Gamma or for the client Delta?

- A) They both increased of two units
- B) The solicitors employed for the client Delta were increased, whereas the solicitors employed for the client Gamma were decrease
- C) They increased both of one unit
- D) Only the solicitors employed for the client Delta were increased
- E) The solicitors employed for the client Gamma were increased, whereas the solicitors employed for the client Delta were decrease

2541 Answer the following question concerning CHART SN 58**Which of the following conclusions can be deduced from the graphic?**

- A) The number of solicitors employed for the client Omicron remained constant during the three years considered
- B) The number of solicitors employed for the client Delta has progressed steadily increasing during the three years considered
- C) The number of solicitors employed for the client Gamma has progressed steadily increasing during the three years considered
- D) The number of solicitors employed for the client Alpha, during the three years considered, is generally the same that the number of solicitors employed for the client Omicron
- E) Gamma is the client to which there was employed the fewer number of solicitors

CHART SN 91**The graph shows the expected turnover for the next four years, in Europe, Asia and America.****2542 Answer the following question concerning CHART SN 91****With reference to the graph, what turnout is expected for Year 3 in America and Asia?**

- A) About 24 million
- B) About 38 million
- C) About 32 million
- D) About 7 million
- E) About 5 million

2543 Answer the following question concerning CHART SN 91**What is the expected turnout in America from Year 0 to Year 2?**

- A) About 41 million
- B) About 60 million
- C) About 20 million
- D) About 48 million
- E) About 15 million

2544 Answer the following question concerning CHART SN 91

Based on the data shown in the graph, what is the overall turnout expected in the three continents for the two-year period from Year 2 to Year 3?

- A) About 103 million
 - B) About 58 million
 - C) About 70 million
 - D) About 85 million
 - E) About 191 million
-

2545 Answer the following question concerning CHART SN 91

Based on the data shown in the graph, what will be the increase in the expected global turnout (Europe, America and Asia) between Year 2 and Year 3?

- A) The trend is not positive, there will be no growth
 - B) About 5 million
 - C) About 20 million
 - D) About 12 million
 - E) About 8 million
-

2546 Answer the following question concerning CHART SN 91

How much is the overall turnover expected in Asia and America in the Year 2?

- A) About 70 billions
 - B) About 45 billions
 - C) About 10 billions
 - D) About 20 billions
 - E) About 30 billions
-

2547 Answer the following question concerning CHART SN 91

How much is the overall turnover expected in Asia and America in the Year 0?

- A) About 70 billions
 - B) About 10 billions
 - C) About 25 billions
 - D) About 35 billions
 - E) About 18 billions
-

2548 Answer the following question concerning CHART SN 91

How much is the turnover expected in Asia in the Year 2?

- A) About 25 billions
 - B) About 12 billions
 - C) About 35 billions
 - D) About 70 billions
 - E) Less than 10 billions
-

2549 Answer the following question concerning CHART SN 91

How much is the overall turnover expected in Asia and America in the Year 1?

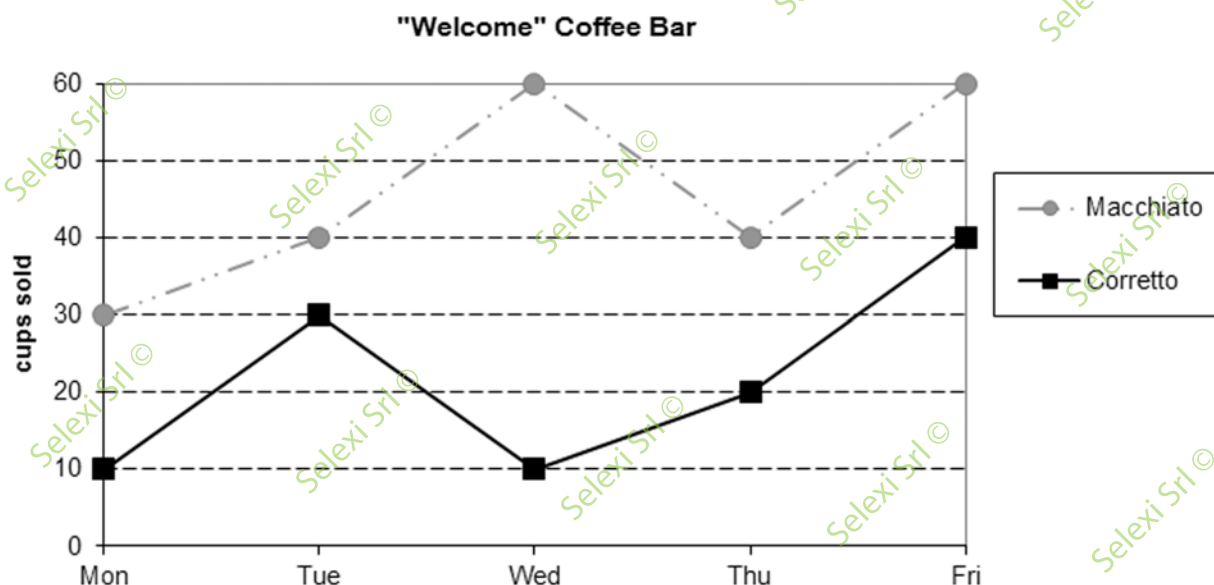
- A) About 70 billions
 - B) About 28 billions
 - C) About 35 billions
 - D) About 10 billions
 - E) About 50 billions
-

2550 Answer the following question concerning CHART SN 91

How much is the turnover expected in Europe in the Year 0?

- A) About 70 billions
- B) About 35 billions
- C) About 12 billions
- D) About 25 billions
- E) About 5 billions

CHART SN 98



2551 Answer the following question concerning CHART SN 98

What does the graph show?

- A) The number of cups of coffee sold by the "Welcome" coffee bar in the two styles, "macchiato" (with a shot of milk) and "corretto" (with a shot of liqueur), over five months
- B) The trend in number of cups of coffee sold by the "Welcome" coffee bar in the two styles, "macchiato" (with a shot of milk) and "corretto" (with a shot of liqueur), over five days
- C) The decrease in number of cups of coffee sold by the "Welcome" coffee bar in the two styles, "macchiato" (with a shot of milk) and "corretto" (with a shot of liqueur), over five days
- D) The excellent performance of the "Welcome" coffee bar thanks to the large number of coffees sold
- E) The doubling of the sales of cups of coffee in the two styles, "macchiato" (with a shot of milk) and "corretto" (with a shot of liqueur), by the "Welcome" coffee bar over 5 days

2552 Answer the following question concerning CHART SN 98

How many cups of coffee were sold on Wednesday?

- A) 70
- B) 10
- C) 60
- D) 50
- E) It cannot be determined with the given data

2553 Answer the following question concerning CHART SN 98**Which of the following statements is INCORRECT?**

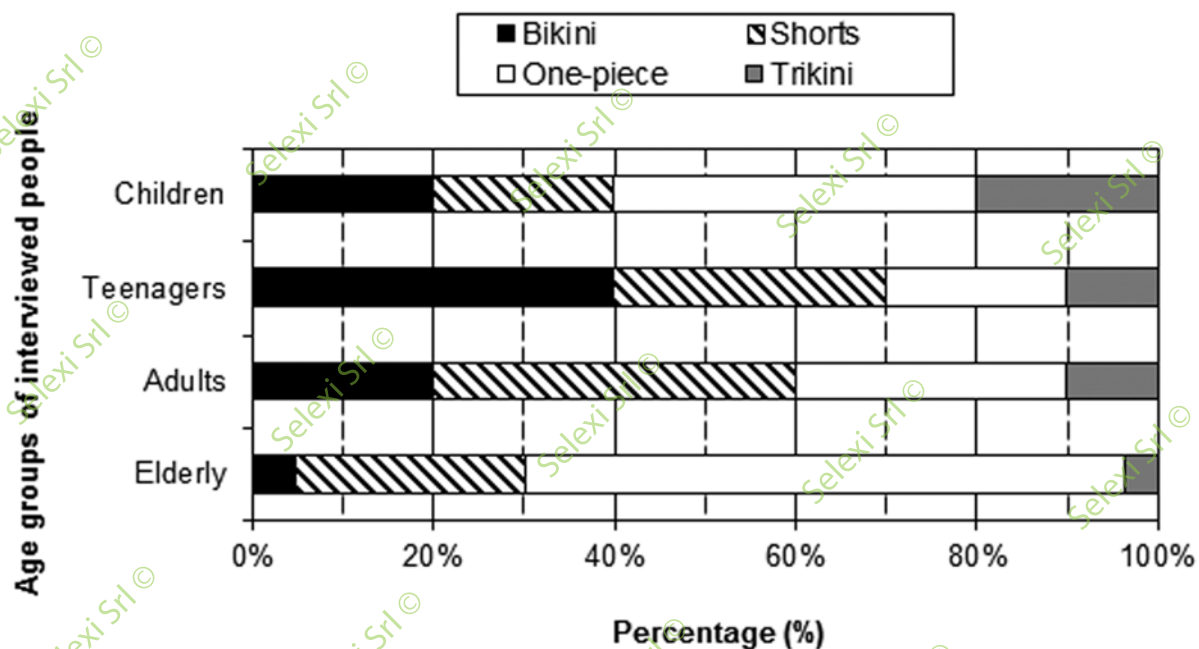
- A) The percentage increase in the number of cups of coffee sold in the two styles, "macchiato" (with a shot of milk) and "corretto" (with a shot of liqueur), from Monday to Thursday is greater than the one registered from Wednesday to Friday
- B) Thursday is the only day showing a decrease in the total number of cups of coffee sold
- C) The percentage increase in the number of cups of coffee sold in the two styles, "macchiato" (with a shot of milk) and "corretto" (with a shot of liqueur), from Monday to Tuesday is greater than the one registered from Thursday to Friday
- D) The percentage increase in the number of cups of coffee sold in the two styles, "macchiato" (with a shot of milk) and "corretto" (with a shot of liqueur), from Tuesday to Friday is the same as the one registered from Wednesday to Friday
- E) The percentage increase in the number of cups of coffee sold in the two styles, "macchiato" (with a shot of milk) and "corretto" (with a shot of liqueur), from Thursday to Friday is the same as the one registered from Monday to Tuesday

2554 Answer the following question concerning CHART SN 98**From the graph it can be inferred that:**

- A) the percentage increase in the sales of "corretto" coffees (with a shot of liqueur) between Wednesday and Thursday is the same as the one registered between Thursday and Friday
- B) the percentage increase in the sales of "corretto" coffees (with a shot of liqueur) between Wednesday and Thursday is the same as the one registered for the sales of "macchiato" coffees (with a shot of milk) between Monday and Tuesday
- C) the percentage decrease in the sales of "macchiato" coffees (with a shot of milk) between Wednesday and Thursday is the same as the one registered for "corretto" coffees (with a shot of liqueur) between Tuesday and Wednesday
- D) the percentage increase in the sales of "corretto" coffees (with a shot of liqueur) between Monday and Tuesday is the same as the one registered between Thursday and Friday
- E) none of the other answers is correct

CHART SP 00

A survey was carried out on the main kinds of swimsuits used by women. In particular, the graph associates the percentage distribution of swimsuit types to women's age: child (0-11 years of age); teenager (12-17 years); adult (18-55 years); elderly person (56 and over).



2555 Answer the following question concerning CHART SP 00

Based on the data reported in the graph, it can be stated that:

- A) teenagers who wear shorts are twice the number of those who prefer the one-piece swimsuit
- B) shorts are the most used kind of swimsuit in all age groups
- C) the one-piece swimsuit is the least used among elderly women
- D) the one-piece swimsuit is more popular than the bikini in all age groups
- E) the Trikini swimsuit and the shorts are equally popular among children

2556 Answer the following question concerning CHART SP 00

If 300 teenagers were interviewed, how many of them do NOT wear mostly the Trikini?

- A) 90
- B) 270
- C) 30
- D) 180
- E) 290

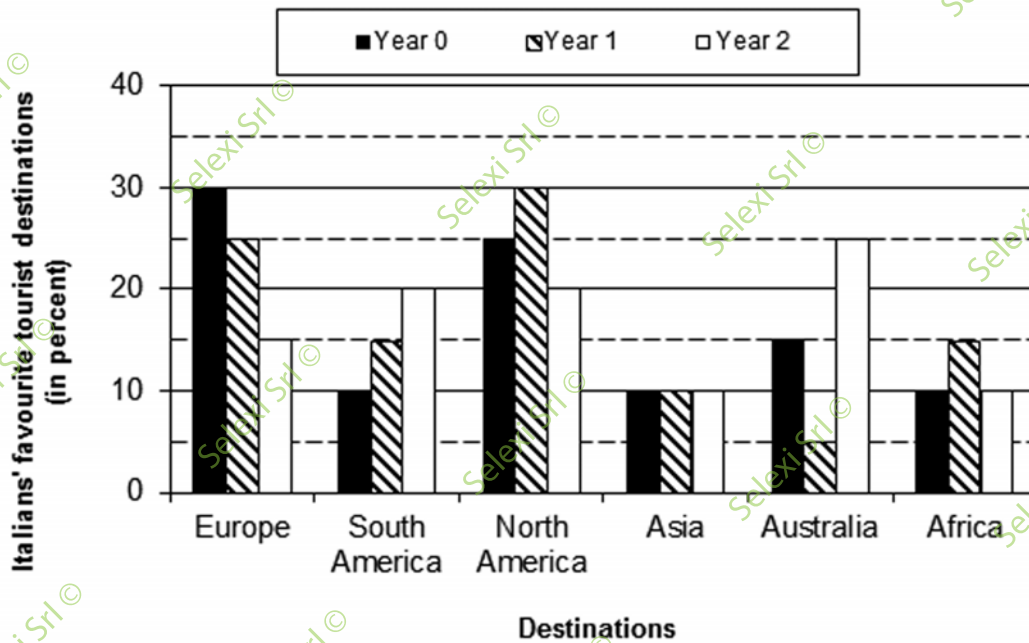
2557 Answer the following question concerning CHART SP 00

Based on the data shown in the graph, it can be inferred that:

- A) the number of children who wear shorts is half the number of children who wear one-piece swimsuits
- B) the number of adult women who prefer trikinis is the same as that of women who mainly wear bikinis
- C) the number of teenagers who wear shorts is greater than the number of teenagers who prefer bikinis
- D) the number of elderly women who wear shorts is half the number of elderly women who wear one-piece swimsuits
- E) the number of adults who wear shorts is three quarter the number of those who wear one-piece swimsuits

2558 Answer the following question concerning CHART SP 00**Which of the following statements is correct?**

- A) If 300 adult women were interviewed, there are 60 children who wear trikinis
- B) None of the other answers is correct
- C) The sum of the numbers of children who wear bikinis and shorts is the same as the number of teenagers who prefer bikinis
- D) If 300 adult women were interviewed, there are 90 teenagers who wear shorts
- E) The number of teenagers wearing shorts is the same as the number of teenagers wearing bikinis

CHART SP 01**2559 Answer the following question concerning CHART SP 01****Which of the following statements about Italian tourists heading to Europe is INCORRECT?**

- A) The number of Italian tourists halved from Year 0 to Year 2
- B) The same number of Italian tourists chose Europe in Year 0 and North America in Year 1
- C) European countries were Italians' favourite destination in Year 0
- D) Italian tourists who chose Europe in Year 2 were more numerous than those who chose Africa
- E) Italian tourists who chose Europe in Year 1 were as many as the sum of those who opted for South America and Asia

2560 Answer the following question concerning CHART SP 01**Based on the data shown in the graph, which of the following statements is correct?**

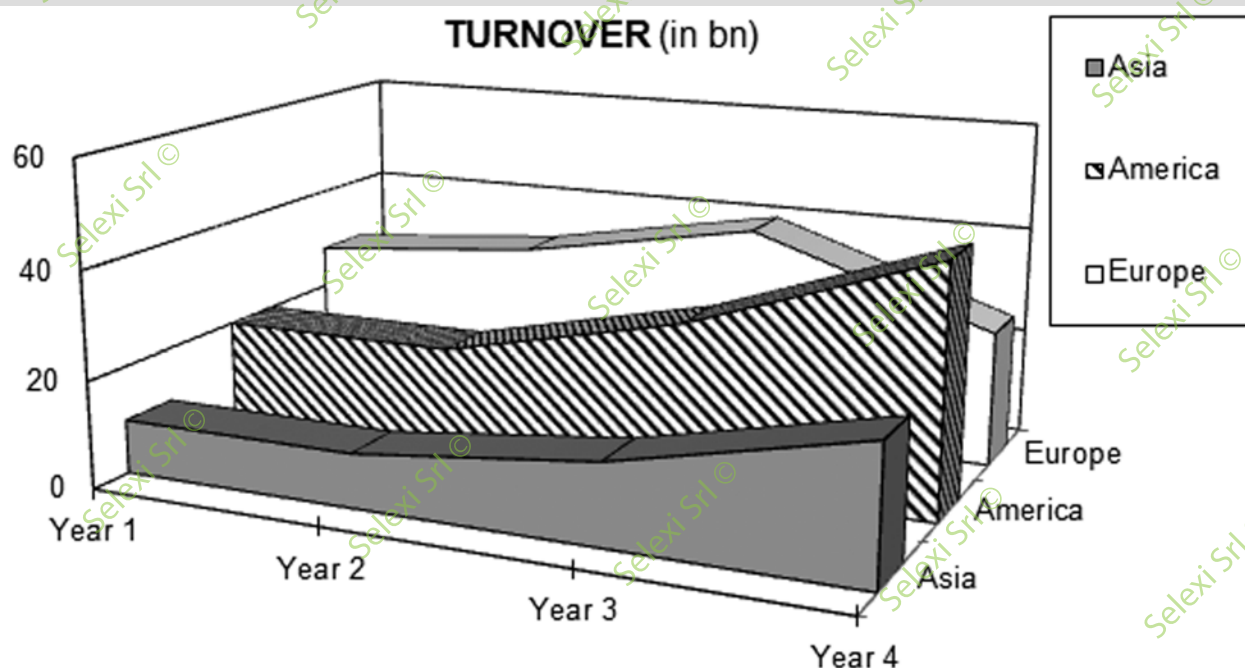
- A) Australia had the largest increase in preferences in Year 2
- B) Italians' liking for North America grew throughout the three years considered
- C) Australia was the least popular tourist destination in Year 2
- D) The same number of Italians chose Europe, South America and Africa in Year 1
- E) The same number of Italians chose Africa, Asia and South America in Year 2

2561 Answer the following question concerning CHART SP 01**Which of the following can be inferred with certainty from the data shown in the graph?**

- A) The percentage decrease in Italians' preferences for Africa between Year 1 and Year 2 was lower than that for North America
- B) With reference to the three-year period considered, Year 1 was the one when the highest number of Italians chose North America
- C) From Year 0 to Year 2 the number of Italian tourists going to European countries halved
- D) With reference to the three-year period considered, Year 1 was the one when the smallest number of Italians chose Australia
- E) The percentage increase in Italians' liking for North America from Year 0 to Year 1 was lower than that for South America

2562 Answer the following question concerning CHART SP 01**Which of the following can be maintained on the basis of the data shown in the graph?**

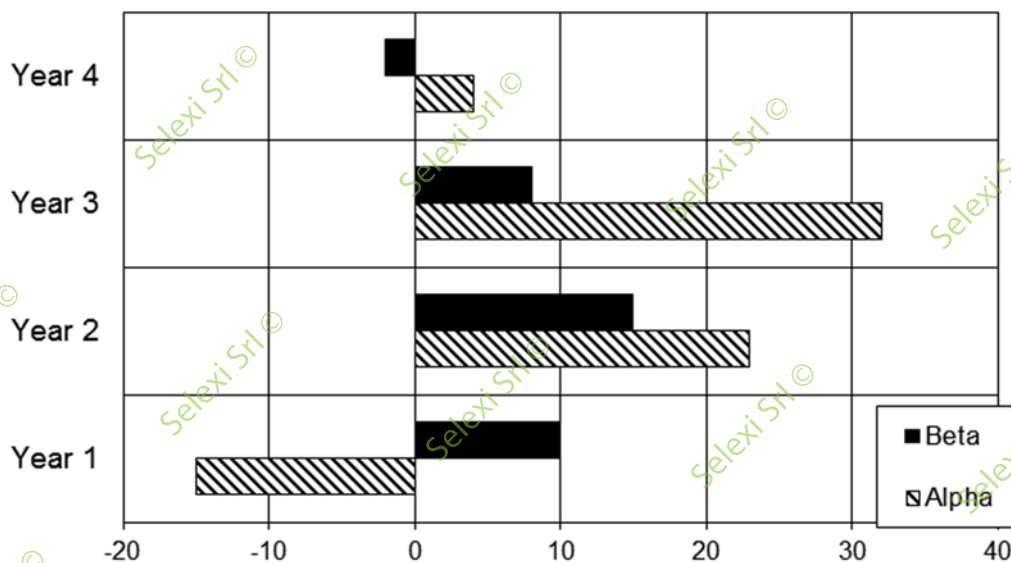
- A) The number of Italian tourists choosing Europe is bound to decrease progressively
- B) South America was always more popular than Asia
- C) The number of tourists who chose Asia remained the same year after year
- D) With reference to Africa, it can be stated that the percentage increase from Year 0 to Year 1 is the same as the percentage decrease from Year 1 to Year 2
- E) The largest percentage increase concerns Australia from Year 1 to Year 2 and is a 400% increase

CHART SP 06**TURNOVER (in bn)****2563 Answer the following question concerning CHART SP 06****How much was the global turnover (in Europe, America and Asia) in the Year 2?**

- A) About 15 billions
- B) About 65 billions
- C) About 25 billions
- D) About 5 billions
- E) About 30 billions

CHART SP 09

The graph shows the profits of two companies, Alpha and Beta, from Year 1 to Year 4.

PROFITS (in million)

2564 Answer the following question concerning CHART SP 09

What were the overall profits of the two companies, Alpha and Beta, from Year 1 to Year 3?

- A) About 20 million
- B) About 70 million
- C) About 12 million
- D) About 40 million
- E) About 30 million

2565 Answer the following question concerning CHART SP 09

What were the overall profits of company Alpha from Year 1 to Year 3?

- A) The company did not have any profits, but a 5 million loss
- B) About 10 million
- C) About 25 million
- D) About 40 million
- E) About 5 million

2566 Answer the following question concerning CHART SP 09

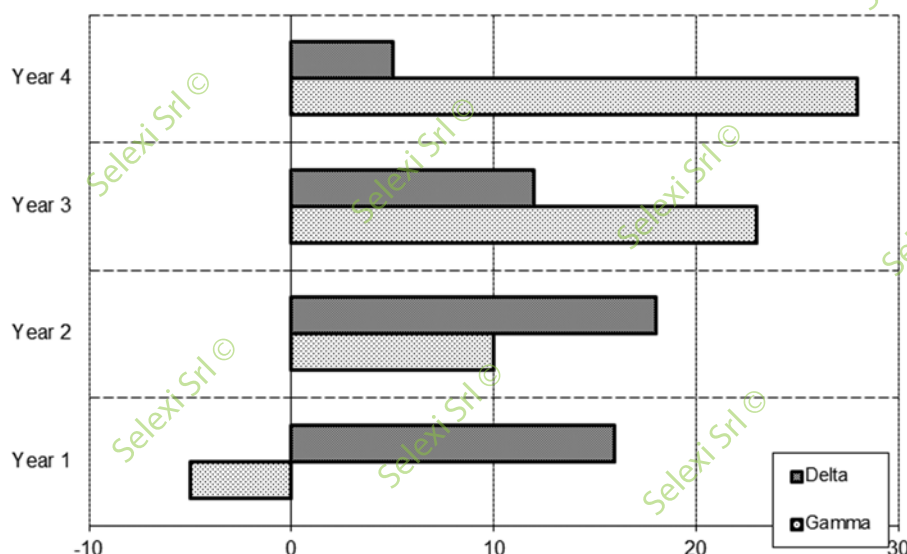
What were the overall profits of the two companies, Alpha and Beta, in Year 2?

- A) About 5 million
- B) About 40 million
- C) About 50 million
- D) About 10 million
- E) About 20 million

2567 Answer the following question concerning CHART SP 09

As regards Beta, what is the difference between its profits in Year 1 and in Year 4?

- A) About 2 million
- B) About 19 million
- C) About 12 million
- D) About 5 million
- E) The given data are insufficient for an answer

CHART SP 16**PROFITS (in million)**

2568 Answer the following question concerning CHART SP 16

With reference to the graph, what were the overall profits of the two companies, Gamma and Delta, in the four-year period from Year 1 to Year 4?

- A) About 117 million
- B) About 25 million
- C) About 107 million
- D) About 33 million
- E) About 90 million

2569 Answer the following question concerning CHART SP 16

With reference to the graph, what were the profits of Delta in Year 2?

- A) About 34 million
- B) About 15 million
- C) About 18 million
- D) About 23 million
- E) About 10 million

2570 Answer the following question concerning CHART SP 16

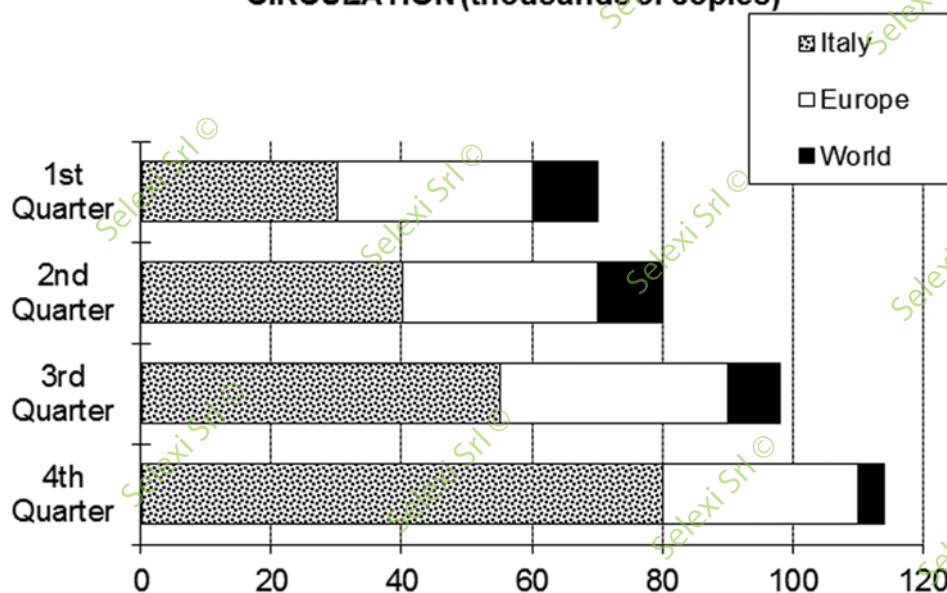
With reference to the graph, what were the overall profits of Gamma in the two-year period from Year 1 to Year 2?

- A) About 10 million
- B) About 5 million
- C) About 20 million
- D) The company did not have any profits, but a 5 million loss
- E) About 34 million

2571 Answer the following question concerning CHART SP 16

With reference to the graph, what were the overall profits of Gamma in Year 3?

- A) 18 million
- B) 15 million
- C) 28 million
- D) 23 million
- E) 12 million

CHART SP 17**CIRCULATION (thousands of copies)**

2572 Answer the following question concerning CHART SP 17

In which quarter did the World region have the highest circulation?

- A) The given data are insufficient for an answer
- B) In the third quarter
- C) In the fourth quarter
- D) In the second quarter
- E) In the first quarter

2573 Answer the following question concerning CHART SP 17

Which area had the highest circulation and in which quarter?

- A) Europe in the second quarter
- B) Italy in the fourth quarter
- C) The World in the third quarter
- D) The World in the first quarter
- E) Europe in the third quarter

2574 Answer the following question concerning CHART SP 17

Which region recorded the greatest percentage decrease in circulation, and in which quarter?

- A) Europe between the first and the second quarter
- B) The World between the first and the second quarter
- C) Italy between the second and the third quarter
- D) Europe between the third and the fourth quarter
- E) The World between the third and the fourth quarter

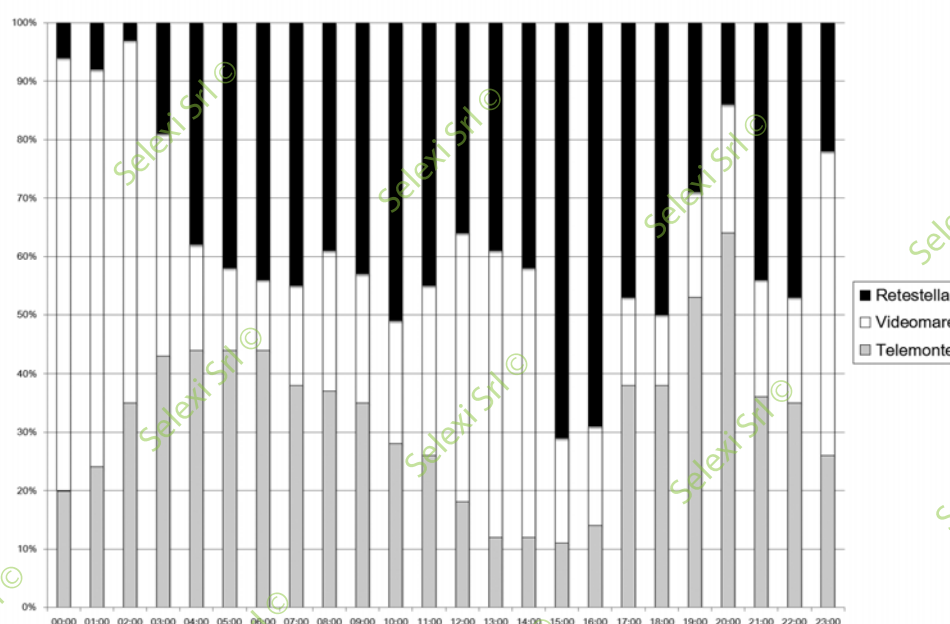
2575 Answer the following question concerning CHART SP 17

What was the percentage increase in circulation in Italy between the first and the second quarter?

- A) About 100%
- B) About 33%
- C) About 20%
- D) About 10%
- E) About 50%

CHART SP 43

In the little Country of Telelandia, three broadcasters contend the TV audience of the day: Retestella, Videomare, Telemonte. The graph represents the trend, hour by hour, of the share, that is the percentage distribution of the audience, in an average day.



2576 Answer the following question concerning CHART SP 43

What is the percentage of spectators who tune in to Videomare at 10 am?

- A) About 40%
- B) About 10%
- C) About 20%
- D) About 30%
- E) About 50%

2577 Answer the following question concerning CHART SP 43

Knowing that, on average, at 8 pm one million of inhabitants of Telelandia watch TV, which is the number of spectators who at that time are tuned in to Videomare?

- A) About 650,000
- B) About 150,000
- C) About 200,000
- D) About 250,000
- E) About 300,000

2578 Answer the following question concerning CHART SP 43

Knowing that, on average, at 7 am, the number of spectators is approximately the double than that at the 6 am, what is it possible to affirm considering the morning planning of Retestella?

- A) The percentage of spectators tuned in to Retestella is almost the same from 7 am to 8 am, and the number of spectators too
- B) The percentage of spectators tuned in to Retestella is almost the same from 7 am to 8 am, but the number of spectators doubles
- C) The percentage of spectators tuned in to Retestella is almost the same from 7 am to 8 am, but the number of listeners doubles
- D) The percentage of spectators tuned in to Retestella is almost the same from 7 am to 8 am, but the number of listeners is reduced by half
- E) The percentage of spectators tuned in to Retestella is almost the same from 7 am to 8 am, but the number of spectators is reduced by half

2579 Answer the following question concerning CHART SP 43

During the TV season, in which surveys were conducted, one of three broadcasters launched an afternoon program with special success; unfortunately, its average audience has been ruined by bad results of newscast of the 8 pm, tarnished by a serious journalistic scandal. What broadcaster is this description referred to?

- A) To Videomare
- B) Information are not sufficient to answer the question
- C) To Telemonte
- D) To Videomare or to Telemonte, but not to Retestella
- E) To Retestella

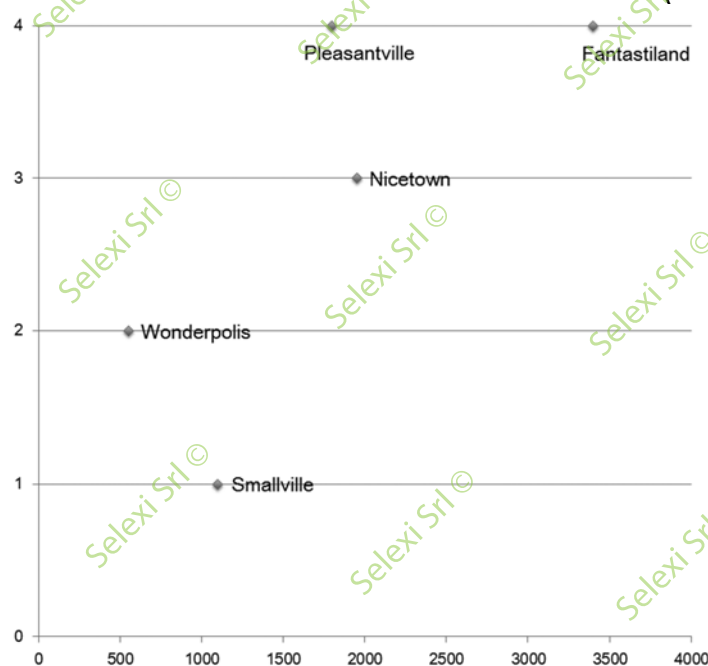
2580 Answer the following question concerning CHART SP 43

At 4 pm, for every spectator tuned in to Telemonte it corresponds more or less:

- A) 1 tuned in to Retestella and 8 tuned in to Videomare
- B) 1 tuned in to Videomare and 8 tuned in to Retestella
- C) 1 tuned in to Retestella and 5 tuned in to Videomare
- D) 1 tuned in to Videomare and 5 tuned in to Retestella
- E) 1 tuned in to Videomare and 3 tuned in to Retestella

CHART SP 44

The graph shows the number of newspaper kiosks (Ordinate) in 5 towns – Pleasantville, Fantastiland, Nicetown, Wonderpolis and Smallville – in relation to the number of inhabitants of each town (Abscissa).

**2581 Answer the following question concerning CHART SP 44**

How many newspaper kiosks can be found in the area as a whole?

- A) 5
- B) 10
- C) 15
- D) 14
- E) 4

2582 Answer the following question concerning CHART SP 44

How many people live in the area?

- A) 3,400
 - B) 12,000
 - C) 7,000
 - D) 4,000
 - E) 9,000
-

2583 Answer the following question concerning CHART SP 44

The most populated towns in the area are:

- A) Pleasantville and Nicetown
 - B) Pleasantville and Fantastiland
 - C) Wonderpolis and Nicetown
 - D) Wonderpolis and Smallville
 - E) Nicetown and Fantastiland
-

2584 Answer the following question concerning CHART SP 44

What town or towns has the smaller ratio of inhabitants to newspaper kiosks?

- A) Pleasantville and Fantastiland
 - B) Pleasantville
 - C) Smallville
 - D) Wonderpolis
 - E) Fantastiland
-

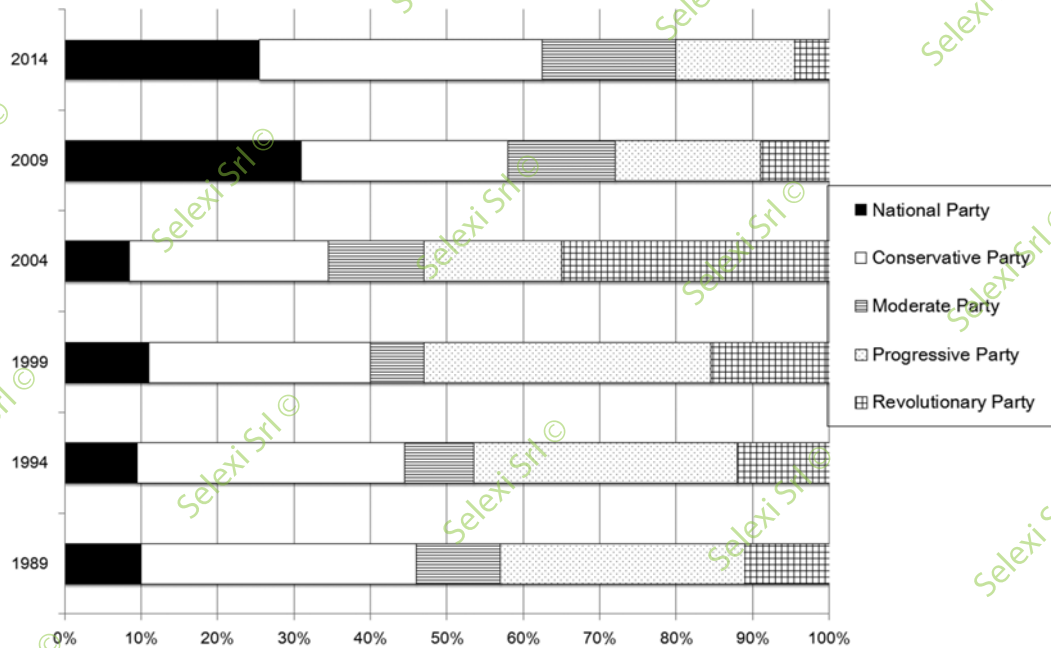
2585 Answer the following question concerning CHART SP 44

In Nicetown, the average number of inhabitants per newspaper kiosk is:

- A) 1,100
 - B) 3
 - C) 800
 - D) 650
 - E) 2,000
-

CHART SP 45

The graph shows the result of the last 6 national elections in the fictitious republic of Belgravia.



2586 Answer the following question concerning CHART SP 45

In 1999, the first, second and third parties were, respectively:

- A) Revolutionary Party, Conservative Party and Progressive Party
- B) Conservative Party, Progressive Party and Revolutionary Party
- C) Progressive Party, Conservative Party and National Party
- D) Conservative Party, Progressive Party and National Party
- E) Progressive Party, Conservative Party and Revolutionary Party

2587 Answer the following question concerning CHART SP 45

The parties that registered an increase in the number of votes between 1999 and 2004 were:

- A) Moderate Party and Revolutionary Party
- B) Conservative Party and Progressive Party
- C) Revolutionary Party and Progressive Party
- D) Conservative Party, Moderate Party and Revolutionary Party
- E) Conservative Party, Progressive Party and National Party

2588 Answer the following question concerning CHART SP 45

The coalition formed by the National Party and the Conservative Party, between 1989 and 2014:

- A) first gained votes, then lost them
- B) first lost votes, then regained them
- C) constantly lost votes
- D) constantly gained votes
- E) had a constant number of voters

2589 Answer the following question concerning CHART SP 45

"National Party: 9.5%; Conservative Party: 35%; Moderate Party: 9%; Progressive Party: 34.5%, Revolutionary Party: 12%". These results refers to the general election held in:

- A) 2014
- B) 1989
- C) 2009
- D) 1994
- E) 1999

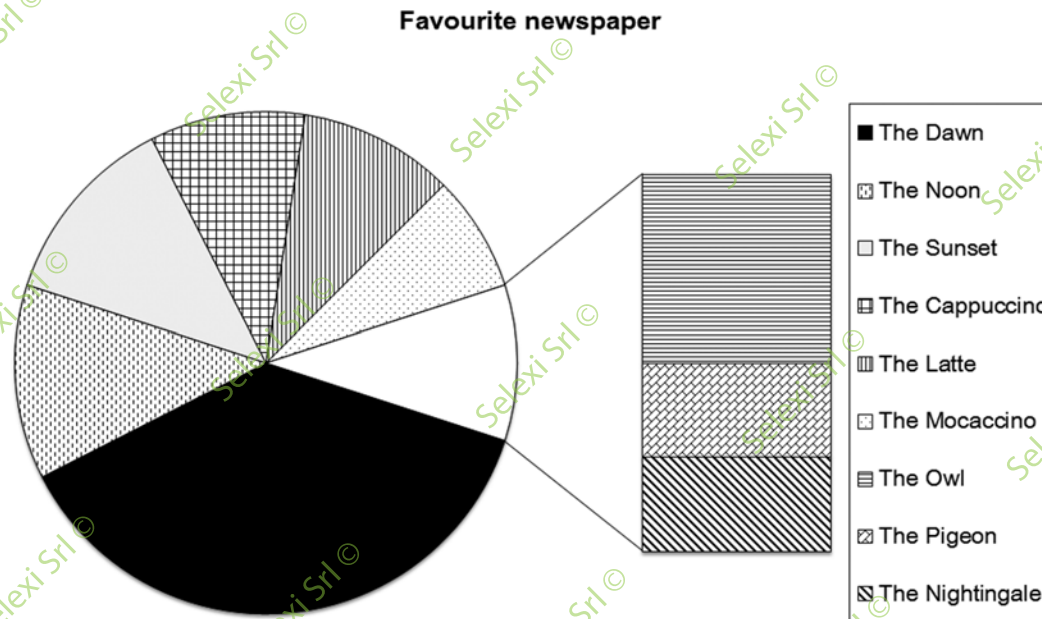
2590 Answer the following question concerning CHART SP 45

In the six elections as a whole, the coalition formed by the National Party and the Conservative Party won more votes than the coalition that includes the Progressive Party and the Revolutionary Party:

- A) five times
- B) two times
- C) four times
- D) three times
- E) only once

CHART SP 47

The Press Association of Seaview County releases a yearly report on the most read newspapers in the area. Last year's sales figures are summed up in the graph shown.



2591 Answer the following question concerning CHART SP 47

The most read newspaper in Seaview County is:

- A) The Owl
- B) The Noon
- C) the given data are insufficient for an answer
- D) The Nightingale
- E) The Dawn

2592 Answer the following question concerning CHART SP 47

Which is/are the least read newspaper/s in Seaview County?

- A) The Pigeon and The Nightingale
- B) The Moccaccino
- C) The Owl
- D) The Owl, The Pigeon and The Nightingale
- E) the given data are insufficient for an answer

2593 Answer the following question concerning CHART SP 47

Three of the County's newspapers – The Cappuccino, The Latte and The Moccaccino – are owned by one single individual. What was, approximately, his overall market share?

- A) 25%
- B) 15%
- C) 50%
- D) 35%
- E) 10%

2594 Answer the following question concerning CHART SP 47

Considering 10 people living in the County and supposing they are good representatives of its population, how many of them read one of the five most read newspapers?

- A) 10
- B) 5
- C) 8
- D) 9
- E) 7

2595 Answer the following question concerning CHART SP 47

The year before the one that is being shown in the graph, The Dawn's market share was double The Noon's market share. The other newspapers had the same market share as in the year considered. What market share did The Dawn have that year?

- A) 200%
- B) 20%
- C) 33%
- D) 15%
- E) 50%

CHART SP 48

The graph shows the trend of three bonds (MKNA, AACL, STDE), in two consecutive days (19th and 20th of April), on the list of the stock exchange. The vertical line indicates the band within which the value of the bond has fluctuated during the day, while the highlighted value indicates the value of the bond at the end of the stock exchange operations.

**2596 Answer the following question concerning CHART SP 48**

Considering the closing quotations, it's possible to affirm that between the 19th and 20th of April:

- A) one of the bond in exam has gained, others have lost value
- B) all bonds in exam have lost value
- C) one of the bond in exam has lost value, another has gained, the third has remained the same
- D) all bonds in exam have gained
- E) one of the bond in exam has lost value, others have gained

2597 Answer the following question concerning CHART SP 48

Between the three bonds, the bond which has registered the greatest variation range (in terms of percentages relative to reference value, during the 20th of April) was:

- A) STDE
 - B) AACL
 - C) MKNA
 - D) MKNA and AACL with same value
 - E) AACL and STDE with same value
-

2598 Answer the following question concerning CHART SP 48

In relation to the closing of the 19th of April, on the 20th of April the STDE bond has gained about:

- A) the 15%
 - B) the 5%
 - C) the 1.9%
 - D) the 2.5%
 - E) the 19%
-

2599 Answer the following question concerning CHART SP 48

The order of bonds in exam, from the greatest unit value to lowest unit value, is:

- A) STDE, MKNA, AACL
 - B) MKNA, STDE, AACL
 - C) MKNA, AACL, STDE
 - D) STDE, AACL, MKNA
 - E) AACL, STDE, MKNA
-

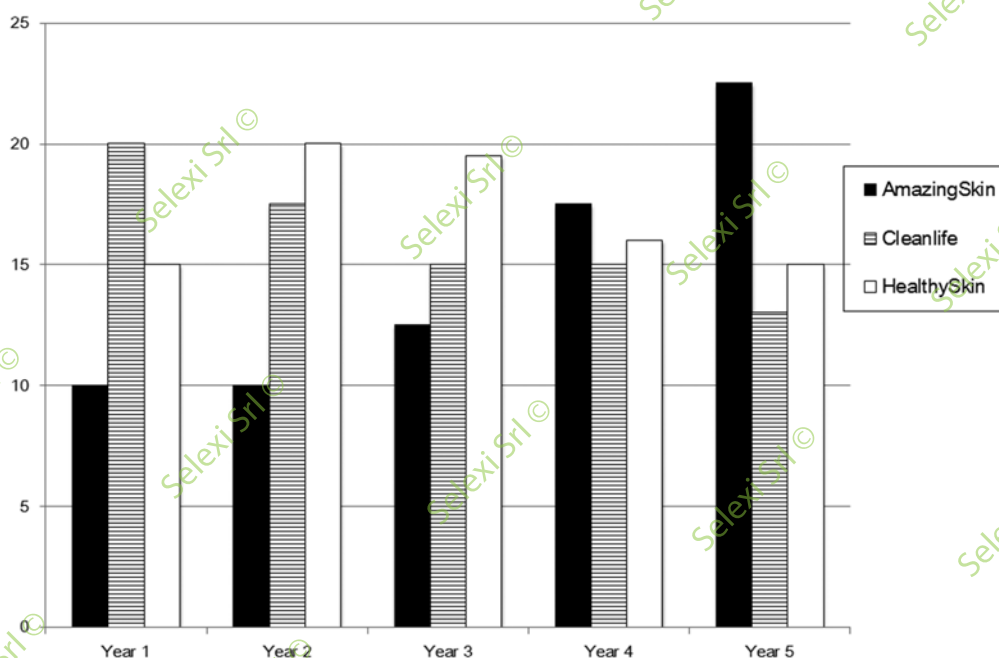
2600 Answer the following question concerning CHART SP 48

Between the three bonds, the bond which has registered the greatest increase of value from the 19th to 20th of April was:

- A) STDE
 - B) AACL
 - C) MKNA
 - D) MKNA e AACL with same value
 - E) AACL e STDE with same value
-

CHART SP 49

The graph shows sales – in thousands of bottles – of three popular hand wash brands, registered in a big store over five years.



2601 Answer the following question concerning CHART SP 49

Which was or were the most successful brand(s) in Year 4?

- A) Cleanlife and HealthySkin
- B) Cleanlife
- C) HealthySkin
- D) AmazingSkin
- E) AmazingSkin and Cleanlife

2602 Answer the following question concerning CHART SP 49

Which brand(s) had a constantly increasing success among consumers over the five years considered?

- A) HealthySkin
- B) Cleanlife
- C) None of the three brands had increasing success
- D) AmazingSkin and Cleanlife
- E) AmazingSkin

2603 Answer the following question concerning CHART SP 49

What happened to AmazingSkin's market share in Year 2, compared to the previous year?

- A) It doubled
- B) It did not change
- C) It increased
- D) It was halved
- E) It decreased

2604 Answer the following question concerning CHART SP 49

How many bottles of the three brands did the store sell, approximately, in Year 2?

- A) 9,000
- B) 45,000
- C) 20,000
- D) 17,000
- E) 55,000

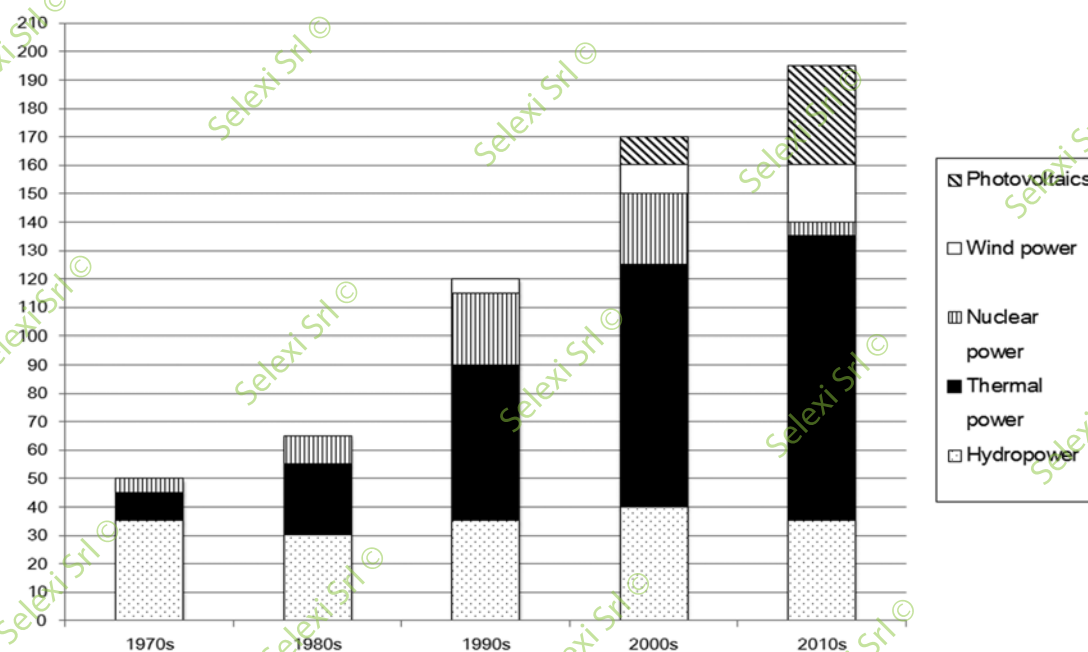
2605 Answer the following question concerning CHART SP 49

If retail price of AmazingSkin is about half the price of Cleanlife, it can be stated that return from sales of AmazingSkin in Year 1 was:

- A) approximately half the return on sales of Cleanlife
- B) approximately twice the return on sales of Cleanlife
- C) approximately the same as the return on sales of Cleanlife
- D) approximately four times as the return on sales of Cleanlife
- E) approximately a quarter of the return on sales of Cleanlife

CHART SP 50

The graph shows, decade by decade, the average annual consumption of electricity, in GWh, in the imaginary state of Slavonia. For each decade, is highlighted the contribution of the different energy sources.

**2606 Answer the following question concerning CHART SP 50**

The energy source that contributed most to energy production in Slavonia in the 1980s was:

- A) nuclear power
- B) photovoltaics
- C) thermal power
- D) hydropower
- E) wind power

2607 Answer the following question concerning CHART SP 50

Over the five decades considered, thermal power was the energy source that contributed most for:

- A) four decades
- B) two decades
- C) five decades
- D) one decade
- E) three decades

2608 Answer the following question concerning CHART SP 50

From the 1980s to the 1990s, the contribution of thermal power:

- A) more than doubled
- B) quadrupled
- C) remained constant
- D) halved
- E) increased by one fourth

2609 Answer the following question concerning CHART SP 50

The energy source that had the largest percent increase between the 2000s and the 2010s was:

- A) hydro power
- B) wind power
- C) photovoltaics
- D) thermal power
- E) nuclear power

2610 Answer the following question concerning CHART SP 50

In the 2000s, considering as 100 the energetic contribute originating only from renewable energies (wind, solar, hydroelectric), the contribute of hydroelectric energy in Slavonia was about:

- A) 65
- B) 50
- C) 40
- D) 6
- E) 60

TABLE SZ 00

The table shows the results of a survey on the main quality of teachers, conducted on a sample of 1,000 high school students of the province of Milan, equally distributed between the sexes.

Quality	Males	Females
Authoritativeness	110	135
Ability to understand students' needs	135	125
Competence	150	165
Political and ideological impartiality	20	30
Tolerance	75	40
Other	10	5
TOTAL	500	500

2611 Answer the following question concerning TABLE SZ 00

Based on the results of the survey, it can be stated that the quality that students most frequently indicated is:

- A) authoritativeness
- B) competence
- C) the ability to understand students' needs
- D) political and ideological impartiality
- E) tolerance

2612 Answer the following question concerning TABLE SZ 00

Among male students, tolerance was indicated as teachers' main quality by the following percentage of students:

- A) 20%
- B) 75%
- C) 25%
- D) 15%
- E) 30%

2613 Answer the following question concerning TABLE SZ 00

Ideological and political impartiality was indicated by:

- A) 10% of interviewed students
- B) 30% of interviewed girls
- C) 20% of interviewed boys
- D) 5% of interviewed students
- E) 50% of interviewed students

2614 Answer the following question concerning TABLE SZ 00

What can be inferred from the table?

- A) The number of male students who indicated authoritativeness is the same as the number of female students who indicated the ability to understand students' needs
- B) Competence is the quality that most female students found in teachers
- C) "Other" was chosen by 10% of female students as the quality they found in their teachers
- D) 30% of male students indicated competence
- E) The number of girls who indicated tolerance is half the number of boys who indicated the same quality

TABLE SZ 21

The table shows the results of a survey on the most serious shortcomings of teachers, conducted on a sample of 5,000 high school students of the province of Rome, equally distributed between the sexes.

Shortcomings	Males	Females
Inability to understand students' needs	750	825
Incompetence	550	675
Strong ideological and political influence	675	625
Strict discipline	375	200
Permissiveness	100	150
Other	50	25
TOTAL	2,500	2,500

2615 Answer the following question concerning TABLE SZ 21

On the basis of the results of the survey, it can be stated that the shortcoming that was indicated by most students is:

- A) strictness
- B) strong ideological and political influence
- C) incompetence
- D) the inability to understand students' needs
- E) permissiveness

2616 Answer the following question concerning TABLE SZ 21

Strong ideological and political influence is struck off from the list of possible options. The girls who had chosen this shortcoming, then, divide themselves proportionally among the five remaining options. How many of them, in the end, have chosen permissivism?

- A) 162
- B) 200
- C) It cannot be calculated with the given data
- D) 158
- E) 50

2617 Answer the following question concerning TABLE SZ 21

Incompetence was indicated by the following percentage of female students:

- A) 27%
- B) 25%
- C) 13,5%
- D) 30%
- E) 33,3%

2618 Answer the following question concerning TABLE SZ 21

Another shortcoming newly included in the list is mentioned as the most serious by 100 male students; this reduces proportionally the data initially recorded. Which of the following statements is INCORRECT, based on the new data for male students?

- A) Strong ideological and political influence is a shortcoming indicated by 648 students
- B) Inability to understand students' needs is a shortcoming indicated by 720 students
- C) Incompetence is a shortcoming indicated by 528 students
- D) Strict discipline is a shortcoming indicated by 350 students
- E) Permissiveness is the penultimate shortcoming indicated by the students

TABLE SZ 29

The table shows a selection of the percentage composition of A-level students in an English town in 2002, divided by kind of school and employment situation in 2005.

	Working	Not working		
		Job searching	Studying	Other
Comprehensive schools	56.1	23.6	16.2	3.9
Innisfree school	61.6	20.1	15.4	2.6
Compton court school	54.3	25.4	16.4	3.6
Gladbrooke school	50.8	24.7	16.7	7.5
Grammar schools	18.6	19.9	59.6	1.8
St. John's Grammar school	18.9	19.9	60.1	1.8
Crossley Heath school	15.9	20.1	62.4	1.4

2619 Answer the following question concerning TABLE SZ 29

Which of the following statements can NOT be deduced from the table?

- A) It's not possible to affirm, just with the reported data, that the number of scientific high school graduates in 2002, who were looking for a job in the 2005, was higher than the number of classical high school graduates in 2002 who worked in 2005
- B) The most part of high school graduates in 2002 was graduated in scientific high schools
- C) The most part of technical school graduates in 2002 was graduated in commercial technical schools
- D) The high school graduates in 2002 who worked in 2005 were less than those who were looking for a job
- E) The high school graduates in 2002, who studied in 2005, were more than the technical school graduates in 2002, who worked in 2005

2620 Answer the following question concerning TABLE SZ 29**Which of the following statements can be deduced from the table?**

- A) Among the of scientific high school graduates in 2002, the number of those worked in 2005 is less than number of those who were looking for a job
- B) The percentage of industrial technical school graduates in 2002, who didn't work in 2005, is higher than the percentage of commercial technical schools graduates who were in the same conditions
- C) The number of technical school graduates in 2002, who didn't work in 2005, is higher than the number of high school graduates who where in the same conditions
- D) The number of scientific high school graduates in 2002, who worked in 2005, is less than the number of classical high school graduates who were in the same conditions
- E) The number of scientific high school graduates in 2002, who worked in 2005, is higher than the number of classical high school graduates who were in the same conditions

2621 Answer the following question concerning TABLE SZ 29**Which of the following statements is true according to the table?**

- A) The percentage of classical high school graduates in 2002, who were students in 2005, is less than the percentage of scientific high school graduates
- B) More than half of technical school graduates in 2002 were occupied after three years
- C) The percentage of commercial technical school graduates in 2002, who were looking for a job in 2005, is less than the percentage of industrial technical school graduates
- D) The percentage of classical high school graduates in 2002, who were looking for a job in 2005, is less than the percentage of scientific high school graduates
- E) More than half of scientific high school graduates in 2002 were occupied after three years

2622 Answer the following question concerning TABLE SZ 29**Which of the following statements can be deduced from the table?**

- A) The technical school graduates in 2002, after three years, were inclined to follow their studies rather than working or looking for a job
- B) In the triennium considered, it was easier to find work for a high school graduate than a technical school graduate
- C) Most of technical school graduates in 2002, were working after three years
- D) The high school graduates in 2002, after three years, they were inclined to find a job rather than following their studies
- E) In the triennium considered, it was easier to find work for a technical school graduate than a high school graduate

TABLE SZ 30

The table shows the results of an anonymous questionnaire administered to 50 executives and 2,500 employees of a company (Note: All respondents gave a single answer to each question).

Question	Answers	Executives	Employees
Do you feel motivated in your job?	Highly	35%	15%
	Fairly	45%	50%
	Little	15%	30%
	Not at all	5%	5%
	TOTAL	100%	100%
Do you consider your salary and wage incentives adequate?	Yes	70%	25%
	No	30%	75%
	TOTAL	100%	100%

2623 Answer the following question concerning TABLE SZ 30

Which of the following statements is certainly true on the basis of the data shown in the table?

- A) If two names of company staff members are drawn and if one of them is an executive and the other an employee, the executive is more likely than the employee to consider his/her salary adequate
- B) Less than one third of the employees have little or no motivation
- C) Employees who are not motivated will never become executives
- D) Executives who are not motivated will not consider their salary adequate
- E) Executives with little or no motivation are more than one fifth of the total

2624 Answer the following question concerning TABLE SZ 30

Based on the information provided in the table, it may be concluded that:

- A) none of the other alternatives is correct
- B) the employees' salaries are lower than the average salary earned by employees of other companies
- C) the company invests too little in trying to motivate its personnel
- D) some of the company's staff members have not answered the questionnaire
- E) the company grants more incentives to men than to women

2625 Answer the following question concerning TABLE SZ 30

On the basis of the study results shown in the table, it may be concluded that:

- A) there are more employees who feel little or not at all motivated in their job than employees who consider their salary inadequate
- B) there are fewer employees who feel highly or fairly motivated in their job than employees who consider their salary adequate
- C) there are more executives who feel little or not at all motivated in their job than executives who consider their salary inadequate
- D) there are more executives who feel highly or fairly motivated in their job than executives who consider their salary adequate
- E) there are fewer employees who feel little or not at all motivated in their job than employees who consider their salary adequate

2626 Answer the following question concerning TABLE SZ 30

On the basis of the study results and of the introductory premise, it may be concluded that:

- A) the number of executives who consider their salary inadequate is half the number of employees who feel the same way
- B) the number of executives who feel not at all motivated is equal to the number of employees who feel not at all motivated
- C) over one quarter of the employees consider their salary adequate
- D) the number of employees who feel little motivated is lower than that of executives who feel little motivated
- E) more than two thirds of the executives consider their salary adequate

TABLE SZ 31

Italy's Central institute of statistics carried out a survey on alternative medicine. The table shows the percent distribution of the reasons provided by the sample for using alternative medicine.

Motivation	Acupuncture	Homeopathy	Phytotherapy	Manual Treatments	Other kinds of alternative medicine
Acute diseases	18.2%	24.2%	14.1%	14.0%	17.5%
Painful conditions	59.3%	30.0%	28.7%	63.8%	38.3%
Psychological disorders	2.5%	5.5%	4.2%	1.0%	3.1%
Improving the quality of life	9.6%	28.6%	44.1%	12.8%	30.0%
Chronic diseases	10.4%	11.7%	8.9%	8.4%	10.6%
TOTAL	100.0%	100.0%	100.0%	100.0%	100.0%

2627 Answer the following question concerning TABLE SZ 31

Which of the following statements is correct?

- A) Among patients who are dealing with chronic diseases, the number of those who choose Acupuncture is nearly the same as the number of those who choose "Other kinds of alternative medicine"
- B) Among patients who are dealing with acute diseases, the number of those who choose Phytotherapy is nearly the same as that of those who prefer Manual treatments
- C) Homeopathy is chosen by around one third of patients who choose alternative medicine to cure psychological disorders
- D) Among patients who choose Phytotherapy, the number of those who suffer from psychological disorder is nearly half the number of those who are affected by chronic diseases
- E) The greatest number of patients choosing alternative medicine suffer from painful conditions

2628 Answer the following question concerning TABLE SZ 31

If there were 50 survey respondents who turned to Acupuncture to deal with psychological disorders, then:

- A) the number of those who aim at improving their quality of life is 202
- B) the number of those who suffer from chronic diseases is 208
- C) the number of those who want to cure painful conditions is 119
- D) the number of those who want to cure acute diseases is 264
- E) none of the other answers is correct

2629 Answer the following question concerning TABLE SZ 31

The table shows that, among patients who turn to Homeopathy:

- A) the number of those who do so to cure acute diseases is greater than the number of those who choose other kinds of alternative medicine
- B) a minority chooses Homeopathy to cure psychological disorders
- C) the majority chooses Homeopathy to cure acute diseases
- D) the most common motivation is improving the quality of life
- E) the number of those who are dealing with psychological disorders is about double the number of those who are dealing with chronic diseases

2630 Answer the following question concerning TABLE SZ 31

Looking at the table, it can be inferred that:

- A) improving one's quality of life is the most common motivation among people who choose alternative medicine other than Acupuncture, Homeopathy, Phytotherapy and Manual treatments
- B) the number of people who turn to alternative medicine to cure psychological disorders is half the number of those who do so to cure chronic diseases
- C) a quarter of people who choose Manual treatments are trying to cure acute diseases
- D) over two thirds of people who choose Acupuncture is motivated by painful conditions
- E) the most common motivation for choosing Phytotherapy is improving the quality of life

TABLE SZ 34

The table shows the results of a survey on the main quality of doctors, conducted on a sample of 1,000 citizens of Turin equally distributed between the sexes.

Quality	Men	Women
Ability to understand their patients' actual needs	100	100
Clarity, ability to make patients understand	25	30
Competence	100	90
Kindness	40	60
Patience	210	200
Other	25	20
TOTAL	500	500

2631 Answer the following question concerning TABLE SZ 34

The ability to understand their patients' actual needs was indicated as their doctors' main quality by:

- A) 10% of women
- B) 50% of men
- C) 10% of sample
- D) 20% of sample
- E) 40% of sample

2632 Answer the following question concerning TABLE SZ 34

What percentage of men indicated competence as their doctors' main quality?

- A) 50%
- B) 20%
- C) 40%
- D) 25%
- E) 10%

2633 Answer the following question concerning TABLE SZ 34

Based on the results of the survey, it can be stated that the quality that people most frequently indicated is:

- A) the ability to understand their patients' actual needs
- B) competence
- C) clearness, ability to make patients understand
- D) patience
- E) kindness

2634 Answer the following question concerning TABLE SZ 34

100 female patients are added to the sample. They indicate the short waiting time as the best quality. Which of the following statements, then, is NOT correct?

- A) The ability to understand their patients' actual needs was indicated by 15% of interviewed women
- B) Kindness was indicated by 10% of interviewed women
- C) Patience was indicated by one third of interviewed women
- D) The quality of clearness, and ability to make patients understand was indicated by 5% of interviewed women
- E) Competence was indicated by 15% of interviewed women

TABLE SZ 42

The table shows the results of a survey on the main quality of shop assistants, carried out on a sample of 1,000 consumers living in Rome, equally distributed between the sexes.

Quality	Men	Women
Ability to understand customers' actual needs	70	55
Determination	120	150
Competence	150	160
Talkativeness	100	100
Readiness	50	30
Other	10	5
TOTAL	500	500

2635 Answer the following question concerning TABLE SZ 42

The quality of talkativeness was indicated by:

- A) 10% of interviewed men
- B) 50% of interviewed women
- C) 10% of interviewed individuals
- D) 100% of interviewed men
- E) 20% of interviewed individuals

2636 Answer the following question concerning TABLE SZ 42**The quality of determination was indicated by:**

- A) 20 individuals more than the quality of talkativeness
- B) 150 individuals more than the quality of understanding customers' actual needs
- C) 40 fewer individuals than the quality of competence
- D) 150 women, i.e. three times the number of women who indicated readiness
- E) a number of individuals that was the same as the number of men who indicated readiness plus 120

TABLE SZ 44**The table shows some data about sales of the motor vehicles factory Invece.**

	Products sold	Products (by type)		
		Cars	Trucks	Campers
Year 1	50,000	25,000	20,000	5,000
Year 2	60,000	24,000	24,000	12,000
Year 3	70,000	35,000	21,000	14,000
Year 4	50,000	30,000	15,000	5,000

2637 Answer the following question concerning TABLE SZ 44**What was the percentage of campers sold in Year 2, compared to the total number of vehicles sold?**

- A) 20%
- B) 25%
- C) 12%
- D) 10%
- E) 50%

2638 Answer the following question concerning TABLE SZ 44**What was the percent increase in trucks sales from Year 1 to Year 2?**

- A) 15%
- B) 20%
- C) 10%
- D) 4%
- E) 25%

TABLE SZ 67

The table shows some data on the surgeries performed at the Otromies clinic in Madrid.

	Number of surgeries	Type of surgery		
		Appendicitis	Facial plastic	Fracture reduction
Year 1	600	20%	60%	20%
Year 2	600	25%	50%	25%
Year 3	700	20%	50%	30%
Year 4	800	30%	50%	20%

2639 Answer the following question concerning TABLE SZ 67

In what year did the clinic perform the largest number of appendicectomies?

- A) The given data are insufficient for an answer
- B) Year 2
- C) Year 4
- D) Year 3
- E) Year 1

2640 Answer the following question concerning TABLE SZ 67

Was the largest number of reductions performed in Year 1, Year 2 or Year 4?

- A) The same number of reductions were performed in the three years considered
- B) The given data are insufficient for an answer
- C) In Year 1
- D) In Year 4
- E) In Year 2

TABLE SZ 83

The table shows some data on sales of the International Master Publishing corporation in Italy.

	No. of copies sold	Magazines		
		Cookaround	DIY	Garden Power
Year 1	400,000	15%	35%	50%
Year 2	500,000	20%	40%	40%
Year 3	700,000	10%	40%	50%
Year 4	800,000	30%	50%	20%

2641 Answer the following question concerning TABLE SZ 83

How many copies of Cookaround were sold in Year 3?

- A) 70,000
- B) 700,000
- C) 350,000
- D) 100,000
- E) 35,000

2642 Answer the following question concerning TABLE SZ 83

In which year did Garden Power sell the largest number of copies?

- A) Year 4
- B) Year 1
- C) Year 3
- D) Year 2
- E) Year 1 and Year 2, with the same number of copies sold

2643 Answer the following question concerning TABLE SZ 83

Which of the following CANNOT be inferred from the table?

- A) The number of copies of Cookaround sold in Year 4 is the same as the number of copies of DIY sold in Year 2
- B) In Year 1 DIY sold fewer copies than Garden Power in Year 4
- C) In Year 4 DIY sold twice the copies of Garden Power in Year 1
- D) The copies of DIY sold in Year 3 were twice the copies sold in Year 1
- E) The sum of the copies of Cookaround sold in Years 1, 2 and 3 is lower than the copies of Garden Power sold in Year 3

2644 Answer the following question concerning TABLE SZ 83

What was the best-selling magazine in Year 1?

- A) DIY
- B) DIY and Cookaround sold more or less the same number of copies and both sold more than Garden Power
- C) Cookaround
- D) The given data are insufficient for an answer
- E) Garden Power

TABLE SZ 84

The table shows some data on shoe manufacturing in Umbria.

	No of shoes made	Shoes		
		Men's	Women's	Unisex
Year 1	100,000	40%	30%	30%
Year 2	120,000	40%	40%	20%
Year 3	100,000	30%	40%	30%
Year 4	150,000	40%	20%	40%

2645 Answer the following question concerning TABLE SZ 84

How many men's shoes were manufactured in Umbria in Year 1?

- A) 100,000
- B) 150,000
- C) 40,000
- D) 80,000
- E) 75,000

2646 Answer the following question concerning TABLE SZ 84

The largest number of women's shoes were produced in Year:

- A) 1
- B) none of the other answers is correct because the same number of women's shoes were produced in Year 2 and in Year 1
- C) 3
- D) 4
- E) 2

2647 Answer the following question concerning TABLE SZ 84

In which year were women's shoes produced more numerous than men's shoes?

- A) Year 3
- B) Year 2
- C) Year 1
- D) Year 4
- E) None of the other answers is correct because the same number of women's and men's shoes were produced in Year 2 and in Year 1

TABLE SN 11

The table shows the results of a survey on the main quality of hotels in Padua, conducted on a sample of 1,000 guests equally distributed between the sexes.

Quality	Men	Women
Comfortable bed	45	20
Room full of light	65	40
Cleanliness	175	160
Quiet room	75	125
Large room	100	135
Others	40	20
TOTAL	500	500

2648 Answer the following question concerning TABLE SN 11

The big size of the room was indicated as the major quality by the following percentage of men:

- A) 50%
- B) 25%
- C) 20%
- D) 10%
- E) 27%

2649 Answer the following question concerning TABLE SN 11

What percentage of interviewed people indicated the quality of quietness?

- A) 75% of sample
- B) 20% of sample
- C) 45% of women
- D) 75% of men
- E) 60% of sample

2650 Answer the following question concerning TABLE SN 11

On the basis of the results of the survey, it can be stated that the quality that was indicated by most guests is:

- A) large room
- B) comfortable bed
- C) quiet room
- D) cleanliness
- E) size and quietness of room with the same number of preferences

TABLE SN 13

The table shows the results of a survey on the main quality of Tuscan restaurants, conducted on a sample of 1,000 customers equally distributed between the sexes.

Quality	Men	Women
Creative cuisine	75	75
Nice environment	115	140
Organic food	175	200
Plate presentation	50	25
Neat and clean place	80	35
Other	5	25
TOTAL	500	500

2651 Answer the following question concerning TABLE SN 13

Based on the results of the survey, it can be stated that the most indicated quality of Tuscan restaurants is:

- A) other features
- B) plate presentation
- C) their nice environment
- D) the use of organic food
- E) creative cuisine

2652 Answer the following question concerning TABLE SN 13

What percentage of men indicated plate presentation as the main quality of Tuscan restaurants?

- A) 50%
- B) 5%
- C) 25%
- D) 10%
- E) 30%

2653 Answer the following question concerning TABLE SN 13

Creativity of cuisine was indicated by:

- A) none of the other alternatives is correct
- B) 15% of sample
- C) 25% of interviewed women
- D) 30% of sample
- E) 75% of interviewed men

PASSAGE DM 64

Read the passage and answer the related questions.

In the 1970s Iraq was a middle-income country. Its abundance of natural and human resources made it possible to develop good infrastructure and a healthcare and education system which performed so well that it was regarded by many to be the best in the entire Middle East.

Constant war and repression, since then, have all but destroyed basic infrastructure and social services, and any growth or development ceased long ago for the people of Iraq, numbering some 27 million.

International trade sanctions imposed on Iraq in 1991 have also badly damaged the economy, and although the country is rich in resources, the current human development indicators are among the lowest in the Middle East.

Iraq now faces the enormous challenge of performing complicated political change to enable the rebuilding of social cohesion and the transition from a centralised economy to a market economy.

Estimates made by the World Bank, the United Nations Development Group and the International Monetary Fund say that Iraq's recovery will require approximately US\$ 36 billion in the next five years. According to the the Coalition Provisional Authority, a further US\$ 19 billion will need to be made available for some areas of concern, such as security and oil.

2654 Answer the following question concerning PASSAGE DM 64

Which of the following sentences corresponds to the information given in the passage?

- A) In the '70s Iraq's health and education systems were considered excellent
- B) Iraq is now turning into a market economy thanks to the funds allotted by the World Bank and the United Nations Development Group
- C) The World Bank is not in a position to estimate the sums involved in Iraq's recovery
- D) Iraq's recovery just requires will, not money
- E) None of the other answers is correct

2655 Answer the following question concerning PASSAGE DM 64

According to the passage, which factors have damaged Iraq's economy and infrastructure?

- A) The inability to face the challenge of political transition
- B) The international trade sanctions imposed until 1991
- C) War and the inability to leave centralised economy behind
- D) The lack of social cohesion
- E) Trade sanctions, repression and war

2656 Answer the following question concerning PASSAGE DM 64

According to the passage, which of the following sentences is true?

- A) Security and oil will cost US\$ 36 billion over the next four years
- B) Social services in Iraq are still widely available
- C) Iraq must adopt a market economy
- D) Iraq has always been a low-income economy
- E) Iraq used to be the richest country in the Middle East back in the '70s

2657 Answer the following question concerning PASSAGE DM 64

According to the passage, what are the areas of core concern for Iraq's recovery?

- A) Political transition and restoring the health care and education system
- B) Health and education
- C) Oil and security
- D) Restoring social cohesion and privatising oil
- E) Infrastructures and social services

2658 Answer the following question concerning PASSAGE DM 64**Iraq's recovery:**

- A) will require US \$36bn, including \$19bn specifically allotted for oil and security
- B) will require approximately US \$55bn
- C) will require a loan by the World Bank, the International Monetary Fund and the United Nations Development Group
- D) will only be possible if Iraq opts for social cohesion
- E) will be funded by World Bank, the International Monetary Fund and the United Nations Development Group with US \$55bn, and the Coalition Provisional Authority with US\$19bn

PASSAGE DM 65

Leggere il brano e rispondere a ogni quesito solo in base alle informazioni contenute (esplicitamente o implicitamente) nel brano e non in base a quanto il candidato eventualmente conosca sull'argomento.

La Comunità europea fu fondata per motivi politici ed economici. Il principale scopo politico era quello di instaurare e mantenere la pace in Europa, mentre il principale scopo economico era l'istituzione di un mercato libero europeo.

Di contro, mancavano invece dei chiari scopi sociali, e qualunque misura sociale era semplicemente dovuta alle pressioni derivanti dalla politica economica. Ci fu però una transizione negli anni Settanta, quando la politica sociale della Comunità europea si spostò verso una serie di miglioramenti nelle "condizioni di vita e di lavoro" all'interno della comunità, e il concetto di "lavoratore" si ampliò a includere tutti i cittadini, non solo quelli che componevano la forza lavoro.

Una volta accettato che la Comunità aveva obiettivi sociali distinti da quelli economici, divenne possibile espandere il ruolo della Comunità in tema di politica sociale.

I poteri dell'Unione sono aumentati attraverso lo sviluppo progressivo di misure marginali, relativamente innocue, allo scopo di stabilire un precedente e una competenza. Ad esempio, misure relative ai pacchetti delle sigarette, agli abbonamenti al trasporto pubblico o all'insegnamento delle lingue hanno cercato di stabilire una competenza in relazione a temi quali la salute pubblica, la terza età, i trasporti e l'istruzione. L'opposizione a tali misure deriva dal principio di "sussidiarietà", secondo il quale le decisioni devono sempre essere prese al più basso livello possibile, o comunque il più vicino possibile a dove avranno effetto. Molti parlamentari sostengono la sussidiarietà nel processo decisionale della Comunità europea.

2659 Answer the following question concerning PASSAGE DM 65**Which of the following pieces of information can be found in the passage?**

- A) Social objectives and economic objectives are the same
- B) According to the European Commission solidarity cannot be steadily increased
- C) In the 1970s the idea of the "worker" was extended to include those who were not part of the labour force
- D) The European Community has always had clear social goals
- E) Many Members of Parliament are showing resistance to subsidiarity

2660 Answer the following question concerning PASSAGE DM 65**Which of the following sentences is true?**

- A) The European Community lacked clear social aims when it was founded
- B) The European Community was founded with clear social aims in mind
- C) The European Community did not plan a social policy until the 1950s
- D) When the European Community was founded, economics was regarded as more important than politics
- E) The European Community was founded to limit the European free market

2661 Answer the following question concerning PASSAGE DM 65**Find the right synonym of the word in square brackets.**

"The approach of the European Commission to the development of policy is based on the progressive increase in services, the availability to those presently excluded and the [steady] expansion of solidarity".

- A) quick
- B) coherent
- C) constant
- D) sound
- E) slow

2662 Answer the following question concerning PASSAGE DM 65

According to what is stated in the passage, measures taken as to social issues are:

- A) important
 - B) still marginal
 - C) more important than those taken for economic issues
 - D) supported by the subsidiarity principle
 - E) causing dissatisfaction
-

2663 Answer the following question concerning PASSAGE DM 65

According to the text, what or who is causing resistance to measures meant to foster social policy?

- A) The members of the European Commission
- B) The principle of solidarity
- C) Economic measures taken
- D) The principle of subsidiarity
- E) Some members of the European Parliament

PASSAGE DM 90

Read the passage and answer the related questions on the basis of its contents and not of any knowledge you might have of its subject.

Of all the cities built by man, Venice is considered to be the symbol of beauty, of wise government and of capitalism controlled by the community. The uniqueness of the physical environment in which the city was built made it exceptionally fascinating: on the other hand the surrounding sea contributed to giving Venice an aristocratic tradition of freedom. Of the many free Italian cities Venice was the freest, as proudly told by one of its mediaeval chroniclers; its only walls were the lagoon, its only palace guards were the workers of the Arsenal and the only parade ground for military exercises and parades was the sea itself. The advantages of the city's location also favoured an economy which combined freedom and control in ways which were no less unusual than the network of canals and the architecture of the city.

The institutions which make Venice memorable were developed over many hundreds of years. From the 6th to the 18th century A.D., the Venetians were a people unto themselves. If we consider them from the point of view of their means of sustenance, those twelve centuries are split into three periods which greatly overlap each other and each lasts approximately four centuries. Until about 1000 A.D. Venetians were essentially boatmen who sailed their small crafts up and down the lagoons around Venice and the rivers and canals of the Northern Italian mainland. From 1000 A.D. onwards Venetians became a seafaring population, who sailed, traded and fought in many areas of the Mediterranean and from the rivers of Southern Russia all the way up to the English Channel. Eventually Venice became a city of artisans, of government officials and a small number of aristocrats, a city famous for its talented figures in the fields of manual arts, finance and government.

The life of Venetians before 1000 A.D. was and is relatively unknown, but that year saw the beginning of a series of naval victories, culminating in 1204 in the participation of Venice in the conquest of Constantinople during the crusades. This conquest transformed Venice into an imperial power and from that date on the city's history was interwoven with the upheavals in power in the Mediterranean. In the following centuries the Venetians, as a seafaring population, maintained their republican wealth and reputation, despite the revolutions which had occurred in nautical, military and trading techniques and in sea routes. While nearby empires rose and fell, the Venetians developed a form of republican government which was the envy of other Italian city-states.

At the beginning of the modern era most mediaeval communities the size of Venice were overwhelmed by the rise of great well organised monarchies; and the new ocean trade routes undermined the traditional sources of Venetian prosperity. Nonetheless, the city perfected its characteristic republican city-state institutions, conserved its independence thanks to its diplomatic skills and continued to prosper by adapting its trading activities and above all its manufacturing industry to the new opportunities offered by an expanding Europe. In 1600 Venice had become more a nation of artisans than of sailors and at that time the city reached the peak of its influence as the centre of artistic creation.

Throughout the centuries great continuity was maintained in the social and political institutions of Venice and it is through this that Venetians show the strength of their attachment to the traditions and unique customs which made them a people unto themselves.

2664 Answer the following question concerning PASSAGE DM 90

Based on the information given in the passage, in which century did Venice become powerful in the Mediterranean?

- A) In the 18th century
- B) In 1000 A.D.
- C) In the 13th century
- D) In 1600 A.D.
- E) In the 12th century

2665 Answer the following question concerning PASSAGE DM 90

According to the passage, did Venice ever use trade routes outside the Mediterranean?

- A) Yes, only beyond the Bosphorus, towards the Black Sea
- B) No, but in the 16th century Venetians adapted their economy to the changes brought by new ocean routes
- C) Yes, they were able to stay competitive even after new ocean routes made the Mediterranean less important
- D) Yes, they traded along the coasts of the Iberian Peninsula
- E) Yes, they were able to reach faraway places such as Russia and England

2666 Answer the following question concerning PASSAGE DM 90

According to the information provided by the passage, the geographical location in which Venice was built:

- A) hindered the city's development in its early centuries
 - B) positively influenced the development of the city from an economic, artistic and institutional point of view
 - C) had no particular influence on the development of the city
 - D) initially contributed to the development of the city, but then caused an economic crash when the Mediterranean became less important
 - E) none of the other answers is correct
-

2667 Answer the following question concerning PASSAGE DM 90

According to the passage, the talent of Venetian artisans was fully expressed above all:

- A) when the expansion of Venetian territory was limited to Northern Italy
 - B) before 1000 A.D.
 - C) after the Middle Ages
 - D) the passage does not supply enough information for an answer
 - E) in the 16th century
-

2668 Answer the following question concerning PASSAGE DM 90

According to the information given in the passage, which of the following sentences is NOT true?

- A) Over the centuries Venice increased its sea routes
 - B) Venice took part in the conquest of Constantinople
 - C) From the 6th to the 18th century Venetians were a people to themselves
 - D) Venice was not a very important city until 1000 A.D.
 - E) The percentage of sailors among Venetians increased over the centuries
-

PASSAGE DA 85

Read the passage and answer the related questions on the basis of its contents and not of any knowledge you might have of its subject.

The British like to think of themselves as rather enlightened when it comes to immigration and race relations. Disputes over headscarves are left to the French. Ghettos, frank discrimination and the nasty notion that Britishness is a white characteristic endure only in coal-stained northern towns, which are stuck in the past in more ways than this. Everywhere else, a multicultural consensus reigns. It's a view that is becoming hard to sustain.

A YouGov poll for *The Economist* finds that 74% of people believe too many immigrants are coming into the country. Londoners, young people and the middle classes can normally be counted on to hold more liberal views, but not, it seems, when it comes to immigration. Their sentiments are virtually identical.

Most damaging for Britain's enlightened self-image, the nation has risen to the top of the European xenophobes' league. A Eurobarometer poll earlier this year found that 41% saw immigration as one of the two biggest problems faced by the nation – 16 points more than in any other European country. Forget unemployment, terrorism or crime: the real threat comes from the man with the battered suitcase.

Why the hard feelings? It's a puzzle, especially given the benefits brought by new arrivals. Immigrants may depress wages in the bus-driving and vegetable-picking industries, but they are only good news for urban middle-class folk, who benefit from cheaper (and more interesting) restaurant food and plentiful nursing. Even reproduction is easier, thanks to foreign nannies. "A generation of London kids is being raised with Warsaw-accented English," points out Trevor Phillips, chair of the Commission for Racial Equality.

The Economist's poll suggests an answer. The natives are not particularly restless about newcomers who come explicitly to work. Just 7% of those who reckon there are too many immigrants blame the number of employment permits handed out. Four-fifths believe the country needs more skilled workers, and two-fifths even think it needs more grunts. The newcomers that grate are those who strain the delicate British sense of fair play: 85% cite either asylum seekers or illegal immigrants as the main reason the country is being overrun. They are thought to be bad news not because they take jobs or commit crimes, but because they compete unfairly for public services. Jumping the queue is always intolerable, whether it is for housing or at supermarket tills. Hostility to those who do not come openly to work is not new. Even in 2000, before the asylum panic, just 12% believed that genuine refugees should be accepted unreservedly – the lowest number in Europe. But Britons are more blasé than other Europeans about the effect of immigration on national harmony. Of those who reckon there are too many, only a quarter worry about racial balance. "Britain has become a multicultural society; it just doesn't want any more people to come in," says John Solomos, who follows the subject at City University in London. What seems to have happened over the past few years is that immigration has become associated with refugees and illegal entrants rather than with migrant workers. That is not surprising, given the rise in asylum claimants that began in the late 1990s. Numbers are down, but it does not matter: perceptions have shifted.

A curious side-effect of this change is that the nation's mental image of the immigrant has taken on a different hue. "We traditionally thought of immigrants as black and brown, and for 40 years they were," says Mr Phillips. Unlike America, where ethnic minorities and immigrants have always been viewed as two different things, Britons regarded them as one and the same. Now their attention has been drawn to paler arrivals who are often more disliked. Romanians, who are often accused of living off the state, are less popular than West Indians. Pakistanis (a well-established but growing group) are disliked, too, probably because of fears of domestic terrorism and memories of riots in 2001. The fact that immigration has less to do with race only makes it easier to dislike. Hostility used to connote racial prejudice, but no longer. That's modern Britain: multicultural, racially liberal and anti-immigrant to the core.

(*The Economist*)

2669 Answer the following question concerning PASSAGE DA 85

According to the article, which of the following statements is true?

- A) Only 7% of British people think that there are too many immigrants in Britain
- B) 85% of British people believe that immigrants are putting too much pressure on public services
- C) Londoners, young people and the middle classes have more liberal views on immigration
- D) Immigrants do not queue for buses
- E) Britons are far more tolerant than any other Europeans about the acceptance of genuine refugees

2670 Answer the following question concerning PASSAGE DA 85

According to the article, which of the following statements is FALSE?

- A) British people prefer West Indians to Romanians
- B) Britain is at the top of the European xenophobes' league
- C) Immigrants keep the wages for bus-drivers and fruit-pickers low
- D) Because of immigration, restaurants are less expensive and serve more interesting food
- E) The nannies of London children now come mostly from Pakistan

2671 Answer the following question concerning PASSAGE DA 85**In the context of the article, the first paragraph:**

- A) is the opinion of the author of the article
 - B) is a description of the British attitude to immigration and race relations which is difficult to defend
 - C) is how the world sees the British
 - D) is a true picture of the British people's attitude to immigration and race relations
 - E) is how the French see the British people's racism
-

2672 Answer the following question concerning PASSAGE DA 85**In the sentence "It's a puzzle" (paragraph 4) what does "it" refer to?**

- A) The Eurobarometer poll
 - B) The battered suitcase
 - C) The resentment which the British feel towards immigrants
 - D) The damage to Britain's enlightened image
 - E) Unemployment
-

2673 Answer the following question concerning PASSAGE DA 85**In terms of perception of immigration, what was traditionally the difference between the UK and the USA?**

- A) Britons have often disliked both black and white immigrants, while the USA have been characterised by racial issues
 - B) In the UK there was traditionally no difference between immigrants and ethnic minorities, which were seen as distinct entities in the USA
 - C) Britons have always thought of immigrants as dark-skinned, while Americans have experienced a more diverse kind of immigration
 - D) In the UK there has never been a large number of refugees, while in the USA refugees have always been a lot
 - E) In the US ethnic minorities and immigrants have always been regarded as the same, while British perception of them was more diverse
-

2674 Answer the following question concerning PASSAGE DA 85**According to the author of the article:**

- A) the number of asylum seekers started to grow in the late 1990s and has been constantly rising since then
 - B) asylum seekers are fewer than before, but people still perceive them as too many
 - C) refugees are thought to produce racial imbalance in a country where multiculturalism has finally found a good balance
 - D) refugees are disliked because they are said to commit crimes
 - E) all the other answers are correct
-

2675 Answer the following question concerning PASSAGE DA 85**According to the author, Britain perceives itself as:**

- A) a liberal country
 - B) essentially white
 - C) threatened by crime and terrorism
 - D) a xenophobic country
 - E) an enlightened country
-

2676 Answer the following question concerning PASSAGE DA 85**How many Britons worry about racial balance?**

- A) 25% of those who think there are too many immigrants
 - B) A quarter of Britons
 - C) 88%
 - D) 12% of those who believe refugees should be accepted unreservedly
 - E) Four-fifths
-

2677 Answer the following question concerning PASSAGE DA 85**The term "blasé" (fifth paragraph) means:**

- A) concerned
 - B) naïf
 - C) responsive
 - D) indifferent
 - E) old-fashioned
-

2678 Answer the following question concerning PASSAGE DA 85**What does the author mean by "even reproduction is easier, thanks to foreign nannies"?**

- A) Britons are not very concerned about unemployment, terrorism and crime and look at the future with optimism
- B) Everyone can afford a nanny today, thanks to the lower costs offered by the many foreign nannies available on the market
- C) Raising children in the UK is easier today, because parents can count on plenty of foreign workers taking care of their children
- D) Britons today are less worried about racial issues and this optimistic atmosphere results in increased desire for a family
- E) None of the other answers is correct

PASSAGE DA 87

Read the text and answer the related questions.

However important we may regard school life to be, there is no gain saying that children spend more time at home than in the classroom. Therefore, the great influence of parents cannot be ignored or discounted by the teacher. They can become strong allies of the school personnel or they can consciously or unconsciously hinder and thwart curricular objectives.

Administrators have been aware of the need to keep parents apprised of the newer methods used in schools. Many principals have conducted workshop explaining such matters as the reading readiness program, manuscript writing, and development mathematics.

Moreover, the classroom teacher can also play an important role in enlightening parents. The many interviews carried on during the year as well as new ways of reporting pupils' progress, can significantly aid in achieving a harmonious interplay between school and home.

To illustrate, suppose that a father has been drilling Junior in arithmetic processes night after night. In a friendly interview, the teacher can help the parent sublimate his natural paternal interest into productive channels. He might be persuaded to let Junior participate in discussing the family budget, buying the food, setting the clock, calculating mileage on a trip, and engaging in scores of other activities that have a mathematical basis.

If the father follows the advice, it is reasonable to assume that he will soon realize his son is making satisfactory progress in mathematics and, at the same time, enjoying the work.

Too often, however, teachers' conferences with parents are devoted to petty accounts of children's misdemeanors, complaints about laziness and poor work habits, and suggestion for penalties and rewards at home.

What is needed is a more creative approach in which the teacher, as a professional adviser, plants ideas in parent's mind for the best utilization of the many hours that the child spends out of the classroom.

In this way, the school and the home join forces in fostering the fullest development of youngsters' capacity.

2679 Answer the following question concerning PASSAGE DA 87

To increase his son's ability in arithmetic, a father could:

- A) involve him in a number of creative activities
- B) let him participate in discussing the family budget
- C) keep a more creative approach to the teachers
- D) make him responsible for the property of the house
- E) make a conference with teachers

2680 Answer the following question concerning PASSAGE DA 87

It can be reasonably inferred that the author of the passage:

- A) is satisfied with present relationship between home and school
- B) feels that parent-teacher interviews can be made much more constructive than they are at present
- C) feels that the traditional program in mathematics is slightly superior to the developmental program
- D) is of the opinion that teachers of this generation are inferior to those of the last generation
- E) is of the opinion that most of the teachers rarely suggest parents how to reward and punish their children at home

2681 Answer the following question concerning PASSAGE DA 87

Why does the author suggest that a better interplay between school and home is needed?

- A) Because parents risk damaging their children's education if they are not told what to do about it
- B) Because children are lazy and have poor work habits
- C) Because letting children participate in the family budget management would improve their school results
- D) For the best utilization of the many hours that the children spend out of the classroom
- E) For the best development of children's mathematics skills

2682 Answer the following question concerning PASSAGE DA 87

The central idea conveyed in the passage is that:

- A) there are many ways in which the mathematics program can be implemented at home
- B) home training is more important than school training because a child spends so many hours with his/her parents
- C) parents have a responsibility to help students with their homework
- D) teachers can and should help parents understand and further the objectives of the school
- E) it is a misconception to say that children spend more time at school than at home

2683 Answer the following question concerning PASSAGE DA 87**It is most reasonable to infer that the author of the passage is:**

- A) an elementary-school teacher
- B) a parent
- C) a scientist
- D) a professor of education
- E) a poet

PASSAGE DB 10

Read the passage and answer the related questions on the basis of its contents and not of any knowledge you may have of its subject.

Today's children are used to making choices and getting their own way. Before they can speak they are bombarded with advertisements for PlayStations, Action Man and yoghurt. Their mums ask them what they want for dinner and they might even be included in consultations over family holidays. But when it comes to choosing a secondary school, it's different. With so much at stake, most parents find it hard to shake off the notion that they know best.

In the old days Mums and Dads took it upon themselves to choose secondary schools for their children. They assumed the decision was theirs. That still works in some families, but nowadays it could be met with outright rebellion from today's younger generation or in any case, the issue is not so clear cut. Parents want their children to have at least some say in where they go but the difficulty is how much. At an age where a child has no idea about passing exams or going to the right college or university, it could be too hard a decision to make.

Of course it is easy to take your child's views into account if they happen to coincide with your own – tensions only arise when they don't. Parents who genuinely want their children to have a voice feel huge unease when the chips are down and they are forced to assert that they know best. "I've got a conscience about this because I think it's important that my daughter goes where she wants and not where my partner and I feel she should," says Ralph Levinson, a lecturer in education who is considering four north London state schools with his daughter. "I think she is perceptive enough to know the school she would be happy in and to think it through and make a sensible decision. At the same time I feel that the one she favours at the moment is not the school for her and I would be unhappy if she chose it.

In some families a much more subtle nudging goes on. "Middle-class parents often talk about involving their children, but when you probe it's clear that the children have been in a sense coached towards particular choices, sometimes for years", says Professor Stephen Bell of the Institute of Education. "The child says he/she wants to go to a particular school, but not on the basis of untrammelled free choice; it's actually the product of very sophisticated discussions in which parents are influencing their children massively. By contrast, children in working class families seem to have much more influence over their parents".

The huge advantage that most parents don't have – but children do – is inside information. Children know from talking to their friends' older siblings which schools have a reputation for bullying or disruptive behaviour, where the good teachers are, and which schools feel right for them. This is an advantage parents can only match by endlessly quizzing other parents. All this adds weight to the argument for giving children an official say in the decision-making process. Most children are now brought up to express their views and it would be good for their education to start thinking about where they want to be and what they want to be doing. It's an educational decision: you learn about education and what it is all about through having a say in the process.

(from: "The Independent")

2684 Answer the following question concerning PASSAGE DB 10**Most parents today:**

- A) tend to think they know best about schools
- B) think there is not much information about schools
- C) know everything about schools
- D) don't want their children to have some say in which school to go
- E) tend to think their children know best about schools

2685 Answer the following question concerning PASSAGE DB 10

The article suggests that today parents don't know how much:

- A) they can spend for their children's education before they go to university
 - B) schooling can cost
 - C) their children want to decide about school
 - D) to involve children in the decision about schools
 - E) their children know about making decisions
-

2686 Answer the following question concerning PASSAGE DB 10

Ralph Levinson:

- A) doesn't think his daughter knows which school to go to
 - B) doesn't agree with his daughter's school preference
 - C) agrees with his daughter's expected choice of school
 - D) doesn't agree with children making decisions
 - E) is discussing with his daughter but in the end he will make a decision for her
-

2687 Answer the following question concerning PASSAGE DB 10

The article states that middle class families:

- A) have a big influence on their child's choice of school
 - B) are too concerned with their children's choices
 - C) don't care which school their child chooses
 - D) don't consult their children
 - E) don't influence their child's choice of school
-

2688 Answer the following question concerning PASSAGE DB 10

According to the article, children from working class families:

- A) do what their parents tell them
 - B) influence their parents
 - C) don't influence their parents
 - D) don't want to influence their parents
 - E) decide which school to go after long discussions with their parents
-

2689 Answer the following question concerning PASSAGE DB 10

According to the passage, nowadays parents don't know how much:

- A) their children are actually free to decide which secondary school they want to attend
 - B) their children know about decision-making
 - C) their children want to decide about secondary schools
 - D) providing their children with an education may cost
 - E) their children need to be involved in decisions about secondary schools
-

2690 Answer the following question concerning PASSAGE DB 10

The passage maintains that middle class parents:

- A) are not concerned with their children's choice for secondary school
 - B) do not influence their children's school choice
 - C) do not take their children's opinion into account
 - D) are more able to gain inside information than working class parents
 - E) have a great influence on their children's decision about secondary school
-

2691 Answer the following question concerning PASSAGE DB 10**According to the passage, working class children:**

- A) do what their parents tell them
 - B) have got no influence on their parents
 - C) are less concerned about school than middle class children
 - D) don't want to have an influence on their parents
 - E) have got an influence on their parents
-

2692 Answer the following question concerning PASSAGE DB 10**The passage maintains that:**

- A) children know what is best for them in spite of what parents think
 - B) children collect inside information about schools more easily than parents
 - C) parents have more inside information about schools than children
 - D) children should not have access to information about schools
 - E) neither children nor parents have got enough access to information about schools
-

2693 Answer the following question concerning PASSAGE DB 10**The passage concludes that:**

- A) helping children in their decision-making process is useless for their education
- B) working class children need more help than middle class children
- C) children cannot be helped in making his/her decision
- D) children must not be helped in making his/her decision
- E) helping children in their decision-making process is good for their education

PASSAGE DF 18

Read the passage and answer the related questions on the basis of its contents and not of any knowledge you might have of its subject.

The first British Tourism Week, 12-18 March, organized by VisitBritain, UKinbound and Reed Travel Exhibitions, has been an overwhelming success, generating a positive response across all sectors of the tourism industry and raising the profile of the £85 billion tourism industry.

The week included over 50 interrelated events across the country, demonstrating how tourism is crucial to the economy of the United Kingdom. HRH Prince of Wales, Patron of British Tourism Week, launched the week on Monday 12th March at the Tower of London, at a reception attended by the Secretary of State, the Rt. Hon. Tessa Jowell, Member of Parliament (MP) and 200 industry leaders.

In addition, nearly 300 national politicians showed their commitment to tourism in Britain by taking part in some events during the week and by visiting tourism businesses in their constituencies. Westminster MPs were photographed signing an "I'm backing British Tourism Week" pledge card in Parliament, and more than 60 MPs signed an Early Day Motion in the House of Commons, recognizing the value of tourism and congratulating the organizers of British Tourism Week. A photography exhibition submitted by MPs and AMs (Members of the National Assembly for Wales) was also held at the Britain and London Visitor Centre.

British Travel Trade Fair, officially opened by the Secretary of State, the Rt. Hon. Tessa Jowell MP on Tuesday 13th March, was one of three signature events of British Tourism Week, together with the UKinbound Convention and Workshop and the Tourism Alliance Parliamentary Reception. The British Travel Industry had the chance to meet 2,400 domestic and overseas tour operators, group travel organizers and travel agents and benefit from an estimated £30 million worth of business.

Stephen Dowd, British Tourism Week Chairman, said: "The widespread political and regional support British Tourism Week received and the involvement of HRH the Prince of Wales ensured Britain could be reminded of the critical importance of tourism to the UK economy. I am delighted that the time given to events and activities by all involved means that, as an industry, we have been able to drive home this message. We exceeded expectations for this inaugural week and, due to its success, I am delighted that the next British Tourism Week will be held next year."

(from www.tourismtrade.org.uk)

2694 Answer the following question concerning PASSAGE DF 18

According to the passage, the British Tourism Industry is worth:

- A) £30 million
- B) £85 billion
- C) beyond any expectations
- D) the information is not given in the text
- E) as much as 60 MPs could recognise

2695 Answer the following question concerning PASSAGE DF 18

Who took part in the reception meant to launch the first British Tourism Week?

- A) 200 industry leaders
- B) 300 national politicians
- C) 50 events
- D) 60 MPs
- E) both MPs and AMs

2696 Answer the following question concerning PASSAGE DF 18

Which were the three main events of the British Tourism Week?

- A) British Tourism Week, UKinbound Convention and Workshop, Reed Travel Exhibitions
- B) British Travel Trade Fair, British Tourism Week, UKinbound Convention and Workshop, Tourism Alliance Parliamentary Reception
- C) British Travel Trade Fair, UKinbound Convention and Workshop, Tourism Alliance Parliamentary Reception
- D) The reception with HRH Prince of Wales, British Travel Trade Fair and Reed Travel Exhibitions
- E) VisitBritain, UKinbound, Reed Travel Exhibitions

2697 Answer the following question concerning PASSAGE DF 18

Complete the following sentence according to the information given in the passage. "The business the British Travel Industry could benefit from thanks to the British Tourism Week is ... worth".

- A) 85 billion pounds
 - B) millions of euros
 - C) billions of pounds
 - D) 30 million pounds
 - E) 30 million euros
-

2698 Answer the following question concerning PASSAGE DF 18

Which "message" does Stephen Dowd refer to?

- A) The basic involvement of HRH The Prince of Wales
- B) The importance of widespread political and regional support
- C) The next British Tourism Week which will be held next year
- D) The time that can be given to events and activities
- E) The critical importance of tourism to the UK economy

PASSAGE FM 56

Read the passage and answer the related questions.

Sure they're fun and kids love them, but could cartoon characters used in marketing contribute to the obesity epidemic as well as create nagging children? Today, some parents find themselves having a battle in the cereal aisle. Recognizable characters and logos prompt children to make repeated requests for a range of products including low nutritional foods and beverages. To better understand the media's impact on children's health, a team of researchers from the Johns Hopkins Bloomberg School of Public Health examined the "Nag Factor." The "Nag Factor" is the tendency of children, who are bombarded with marketers' messages, to unrelentingly request advertised items. Researchers explored whether and how mothers of young children have experienced this phenomenon and strategies for coping. The results are featured in the August 2011 issue of the Journal of "Children and Media".

"As researchers continue to investigate factors influencing the childhood obesity epidemic, attention often turns towards the marketing and consumption of junk food," said Dina Borzekowski, EdD, EdM, MA, senior author of the study and an associate professor with the Bloomberg School's Department of Health, Behavior and Society. "Clearly, children are not the primary shoppers in the households, so how do child-oriented, low-nutrition foods and beverages enter the homes and diets of young children? Our study indicates that while overall media use was not associated with nagging, one's familiarity with commercial television characters was significantly associated with overall and specific types of nagging. In addition, mothers cited packaging, characters, and commercials as the three main forces compelling their children to nag."

Using quantitative and qualitative methodologies, researchers interviewed 64 mothers of children ages 3 to 5 years between October 2006 and July 2007. Mothers answered questions about the household environment, themselves, their child's demographics, media use, eating and shopping patterns, and requests for advertised items. Participants were also asked to describe their experiences and strategies for dealing with the "Nag Factor." Researchers selected mothers as interview subjects because they are most likely to act as "nutritional gatekeepers" for their household and control the food purchasing and preparation for small children. Borzekowski and colleagues found that nagging seemed to fall into three categories: juvenile nagging, nagging to test boundaries, and manipulative nagging. Mothers consistently cited 10 strategies for dealing with the nagging; the strategies included giving in, yelling, ignoring, distracting, staying calm and consistent, avoiding the commercial environment, negotiating and setting rules, allowing alternative items, explaining the reasoning behind choices, and limiting commercial exposure.

"Our study indicates that manipulative nagging and overall nagging increased with age," said Holly Henry, MHS, lead author of the study and a PhD candidate with the Bloomberg School's Department of Health, Behavior and Society. "When it comes to the most commonly cited strategies for dealing with nagging, 36 percent of mothers suggested limiting commercial exposure and 35 percent of mothers suggested simply explaining to children the reasons behind making or not making certain purchases. Giving in was consistently cited as one of the least effective strategies. This unique study offers a platform from which to propose future research and policies to lessen children's repeated requests for advertised items."

Borzekowski adds: "To address childhood obesity, it may be necessary to limit the amount of food and beverage advertising shown on commercial television and other media, as this may lessen children's nagging for unhealthy items."

(from: "ScienceDaily")

2699 Answer the following question concerning PASSAGE FM 56

Children's nagging usually:

- A) is unmanageable
- B) decreases with age
- C) has nothing to do with age
- D) is caused by the mother's poor strategies
- E) increases with age

2700 Answer the following question concerning PASSAGE FM 56

Which of the following statements is FALSE?

- A) Cartoon characters advertise only unhealthy foods
- B) Product packaging plays an important role in children's nagging
- C) Children are bombarded with commercials
- D) Cartoon characters are effective because children love them
- E) All the other statements are true

2701 Answer the following question concerning PASSAGE FM 56**The article suggests that:**

- A) there is a correlation between advertising and obesity in children
 - B) there is no correlation between advertising and obesity in children
 - C) children always get their way
 - D) all children that watch commercials are obese
 - E) children don't like diet products
-

2702 Answer the following question concerning PASSAGE FM 56**Allowing children to choose alternative products is:**

- A) just another way of giving in to children's nagging
 - B) a not very effective strategy to cope with nagging
 - C) a difficult but necessary compromise
 - D) a way of showing children that you're not sure what to do
 - E) a possible strategy to cope with nagging
-

2703 Answer the following question concerning PASSAGE FM 56**Borzekowski thinks that:**

- A) there should be no advertising aimed at children
- B) in order to lessen children's nagging, food and beverage advertising must be reduced
- C) mothers have an exaggerated perception of the effects of advertising on children
- D) children should not watch television
- E) children should be put on a diet

PASSAGE GF 13

Read the passage and answer the related questions.

A hunt is on for a genetic mutation that might explain Adam Lanza's rampage. But just as our science doesn't have answers, the results would raise even more difficult questions.

Our attempt to comprehend the horror of the Newtown massacre took a new turn this week when the Connecticut Medical Examiner announced it would work to determine whether the assailant, Adam Lanza, had any genetic defect that might have led to his action. Their hope is that perhaps we can identify the next mass murderer and stop him.

The planned DNA-ification of Lanza is the 21st-century version of an old pastime – scientists trying to understand insanity on a literal and physical level.

Just as once we had assumed that invention of the microscope and elucidation of the atom and all the rest would place scientific pursuit onto a bedrock of truth, so too are we now seduced by the promise of DNA and the traveling circus of the double helix. Furthermore, genetic decoding has been presented with comic-book simplicity.

Of course, this is all baloney – the genetic code gets more complex as we nibble our way along its secrets and tricks. We have taken only the first steps of a long adventure, likely to take a century or two.

Let's say next week a geneticist does find a genetic defect that Lanza alone has – what then? Does this mean that Lanza is not guilty but operating under the influence of his genetic makeup?

And what would such a discovery mean to screening? We screen many fetuses for Down syndrome – would we add the screen for the mass-murder gene? Genetics as a field has struggled to keep up with the ethical quandaries its scientific pursuit has created: for example, whether to test for the Huntington's disease gene or the gene that may predispose to cancer.

Geneticists have wrestled with these complex issues. Breast Cancer, Huntington's and others though are worthy of pursuit because of the great promise of genetic screening. The field, however, would suffer to have dropped into its midst a fishing expedition as is planned with Lanza, where the public wants an answer and doesn't care for the questions that follow. Scientists should preserve his DNA and await a day when the tools are available to investigate the material productively. But to embark on this wild-goose chase right now serves only to place onto a pseudoscientific scaffolding the deepest question of human existence, the nature of good and evil. With such shoddy materials, the inquiry is certain to fail, providing no novel understanding of the genetic code and no solace to the families of Newtown.

(by Kent Sepkowitz, "The New York Times")

2704 Answer the following question concerning PASSAGE GF 13

Which of the following alternatives best summarizes the core topic of the passage?

- A) DNA testing and screening are complex and serious issues. While DNA studies can be of great help to fight certain diseases, testing Adam Lanza's DNA would be scarcely useful
- B) DNA screening is much more complicated than people think. This is the media's fault: they have always talked of DNA testing like it was the simplest thing on earth
- C) DNA testing is important to investigate on the Newtown massacre, but we cannot rely on it alone to get a comprehensive insight of this atrocious event
- D) The ethical issues raised by DNA testing cannot be neglected and must be taken into consideration for every case involving this practice
- E) Thanks to genetic analysis, we can now understand what is behind the most terrible and least explainable actions a man can do

2705 Answer the following question concerning PASSAGE GF 13

According to the author, what have scientists been trying to do throughout the centuries?

- A) Identify the physical features that are common to men with mental problems
- B) Give scientific evidence to every action man undertakes
- C) Identify each man's DNA
- D) Scan the human body to find a link between its physical and mental features
- E) Provide scientific ground to insane people's actions

2706 Answer the following question concerning PASSAGE GF 13**According to the author, why is the genetic subject so complicated?**

- A) When new aspects of it are discovered, it is not so immediate to understand how they could be profitably used
- B) Because its ethical implications are to be considered along with the difficult challenge represented by the investigation into the mysteries of the double helix
- C) Because, in spite of the latest advancements in medical research, the DNA structure is very complicated and its functioning is still a mystery
- D) Because people tend to expect much more than it can be actually achieved
- E) It is not easy to decide which diseases are worth testing

2707 Answer the following question concerning PASSAGE GF 13**According to the text, in which way is public opinion's influencing the decision to scan Lanza's DNA?**

- A) The mass media are leading people to believe that there is indeed a way to prevent such tragedies thanks to DNA screening
- B) Everybody wants to have an answer as to why such a massacre took place, and any DNA finding that could have something to do with Lanza's personality would be a good scapegoat
- C) People want to prevent such massacres from taking place again in the future, and there is widespread conviction that DNA testing would be of help
- D) Large sectors of the population are asking for a screening of Lanza's DNA because a genetic fault would be a justification for his crime, and this would be reassuring for most people
- E) Some want Lanza's DNA to be scanned, some don't. The decision, then, will be difficult and kind of wrong either way

2708 Answer the following question concerning PASSAGE GF 13**Why does the author think that a DNA scan of Adam Lanza would be of no use at all?**

- A) It wouldn't lead to any significant discovery, seeing the current and actual knowledge of DNA
- B) It would take too much time to be completed
- C) It would then become a usual practice, performed also when it is not actually needed
- D) It wouldn't provide the answers the public is looking for
- E) It wouldn't soothe the grief of the Newtons's families

PASSAGE GF 14

Read the passage and answer the related questions on the basis of its contents and not of any knowledge you may have of its subject.

People in England with mild to moderate mental health concerns, including panic attacks, anxiety and depression, are to be prescribed self-help books which they can borrow from their library: 30 prescription titles will be stocked by libraries across England in an attempt to improve wellbeing.

The scheme has been developed by the Reading Agency charity. Its chief executive, Miranda McKearney, said of the project: "There is growing evidence that self-help reading can help people with certain mental health conditions to get better."

She said 6 million people in the UK suffered from anxiety and depression, and around two thirds of those people were not receiving any treatment.

The Books on Prescription scheme is being rolled out across GPs' surgeries and libraries in England in May and is based on a similar scheme in Wales pioneered by the clinical psychologist Professor Neil Frude.

"It is wonderful that it's spreading," he said. "I'm a little disappointed it has taken this long to get to England to be honest."

Frude first set up the scheme in Cardiff in 2003 and the Welsh assembly took it nationwide in 2005. It was borne out of frustration at knowing the value of the books, but knowing that so many people either weren't aware of them or could not get hold of them. It was a simple idea, he said. "The doctors are already there, the books too and so are the libraries. It just needed joining them up."

In Wales now, 30,000 self-help books are borrowed every year and three of the 10 most borrowed books in the country are self-help.

Of course, there are good books and bad books and hunting through them can be dizzying: typing "self-help" into Amazon brings back more than 250,000 results.

Frude quoted the American system where self-help books are rated from five-star down to one-star and then dagger – a book that will make you feel worse.

In England the project is being led by the Reading Agency's director of research, Debbie Hicks. She said: "We have been extremely rigorous in putting together our list, making sure there is an evidence base for each book – that they have been used and found to be effective."

How many books they may need is not yet clear. "The demand is likely to build as the scheme develops," she said.

The use of good self-help books is endorsed by the National Institute for Health and Clinical Excellence, although Frude said "they are not for everybody, and of course we are not talking about people with serious illnesses, but one in six of us will have a diagnosable mental illness in our lifetime".

(Mark Brown, "The Guardian")

2709 Answer the following question concerning PASSAGE GF 14

According to the article, who should be prescribed a self-help book?

- A) Everybody who thinks he/she could develop a mental illness in the future
- B) People especially suffering from panic attacks
- C) People diagnosed with some not very serious mental disease
- D) Everybody who has already been treated for depression
- E) Anxious and deeply depressed people

2710 Answer the following question concerning PASSAGE GF 14

According to the article, which of the following data is NOT correct?

- A) According to Dr. Frude, sooner or later one person out of six will be diagnosed with a mental disease
- B) Four million depressed and/or anxious people are not treated for their problems in the UK
- C) About 35% of the most read books in Wales are self-help
- D) More than 20 prescription books will be found in UK libraries shortly
- E) Last year, the Welsh borrowed just 30,000 books in all from their local libraries

2711 Answer the following question concerning PASSAGE GF 14**How are self-help books classified in the USA?**

- A) They are divided into two categories: those making people feel worse and those making people feel considerably better
 - B) From one to six stars
 - C) According to each reader's reactions
 - D) From one to five stars, one-starred books being the best
 - E) They are divided into 6 groups, from the best to the worst
-

2712 Answer the following question concerning PASSAGE GF 14**What pushed Dr. Frude to fight for the spread of self-help books?**

- A) His conviction that libraries needed to be used for healing purposes
 - B) He was convinced that they could be an effective treatment for certain mental health conditions
 - C) He wanted to become famous across the country, and he believed this idea could do it for him
 - D) He didn't think doctors alone could help people with mental problems
 - E) He believed in the calming effects of reading on nervous people
-

2713 Answer the following question concerning PASSAGE GF 14**What do all experts interviewed in the passage consider to be key when choosing good self-help books?**

- A) How they would be rated according to the American system
 - B) Their circulation across the country, and therefore the possibility to get them easily
 - C) Their readability
 - D) The proven evidence of their usefulness
 - E) The possibility to buy them on Amazon.com
-

PASSAGE GF 15

Read the passage and answer the related questions on the basis of its contents and not of any knowledge you may have of its subject.

It has long been known that high-calorie food can act as a balm for anxiety and bad moods, but now a series of new studies suggests that high-calorie food may be a balm for economic anxiety too, and one that we are primed to apply whenever we perceive trouble.

In one of the experiments, people who were exposed to words suggesting tough times, like “adversity” and “struggle”, were prompted to eat more high-calorie food and less low-calorie food than a control group did – even though these words were in the background, and not directly apprehended. Taste didn’t come into it; neither did pleasure. “The cues I used did not change people’s mood,” says lead author Juliano Laran, who specializes in consumer psychology and self-control, “and I found that people were not looking for pleasure, but rather for food items that can keep them fed for longer periods of time.”

The inspiration for the studies came from New York City’s policy of posting calorie counts in restaurants, which Laran noticed did nothing to decrease the consumption of high-calorie food.

“I think this is a terrific series of studies,” says David Allison, the director of the Nutrition Obesity Research Center at the University of Alabama, who points out that Laran’s findings fit into “an exciting, ongoing, and emerging set of research results” examining the idea of “energetic uncertainty” – a general tendency to gobble up calories whenever we perceive that lean and hungry days lie ahead.

Of course, it isn’t quite that straightforward. As Allison points out, feeling socially subordinate is also a factor in energetic uncertainty. “It may be that lower socioeconomic status contributes to obesity in humans not because of low purchasing power, but because the perception that one is low on the social totem pole leads to feelings of energetic insecurity, which in turn leads to increased fatness from greater food intake and/or physiological changes.”

In other words, the poor get hit with a one-two environmental punch: repeated cues that the world is getting harsher, followed by constant reminders that they are powerless. If these findings hold true, it means that public-health strategies for combating obesity that sound coercive – such as a ban on large sodas – will end up being counterproductive. Indeed, it may be a lot more useful to try to make people feel “more empowered and in control of their lives”, says Allison, “and less subject to fate or more powerful people.”

(Trevor Butterworth, “Newsweek”)

2714 Answer the following question concerning PASSAGE GF 15

According to the text, the “energetic uncertainty” trend is most evident when:

- A) people get depressed because of the economic crisis
- B) people are spending a lot, and are thus obsessed by the idea of getting poor in the future
- C) people’s purchasing power decreases, and therefore they start buying low-quality food
- D) people think their near future will be gloomy and difficult
- E) people feel like they cannot choose from a good variety of food

2715 Answer the following question concerning PASSAGE GF 15

According to David Allison, why would it be important from a nutrition point of view to make people feel more powerful?

- A) They would understand that food isn’t so important for their happiness
- B) They would be happier and therefore they wouldn’t need to eat so much
- C) They wouldn’t feel at the bottom of the social hierarchy, and their need to take in more calories would be less emphasized
- D) They would pay more attention to their food choices because they would feel more responsible
- E) Their alleged power would automatically push them to try to lose weight

2716 Answer the following question concerning PASSAGE GF 15

According to the author, for how long have we known about the calming effects of heavy food?

- A) We have just learnt about it
- B) Since the latest studies
- C) For a very long time
- D) Since the beginning of the economic crisis
- E) Since the start of the current studies by the Alabama’s Nutrition Center

2717 Answer the following question concerning PASSAGE GF 15**Dr. Juliano Laran thinks that:**

- A) restaurants should hang a big poster with suggestions on healthy food
- B) restaurants in New York should do more to highlight the information about calories on their menus
- C) restaurants should refuse to serve heavy food to fat and obese customers
- D) posting calories counts in restaurants is useless
- E) New York restaurants should not serve french fries at all because they are unhealthy

2718 Answer the following question concerning PASSAGE GF 15**What does David Allison think of large sodas?**

- A) They are even more harmful than french fries and we should try to ban them
- B) They are not healthy, but banning them may not be as useful as it seems
- C) They are healthier than french fries
- D) They are not healthy, but other drinks are even worse
- E) They shouldn't be banned just because fat people are not supposed to drink them

PASSAGE GF 16**Read the passage and answer the related questions.**

It's a familiar story. You feel a little under the weather, so you rush to WebMD or MedicineNet for a self-diagnosis. When you leave the sites, you're convinced your headache and minor nausea must indicate brain cancer. This kind of Web-enabled hypochondria, dubbed "cyberchondria," is becoming increasingly common as more people visit the Internet instead of the doctor. According to a poll, 61 percent of Americans use the Internet for medical information, and other studies have shown wide levels of increased anxiety triggered by this habit.

But why should simply reading an online write-up convince us that we're victims of a disease? A new study suggests that the irrational tendency at work in the brains of cyberchondriacs is the same as that of gamblers. Gamblers see patterns in a set of randomly generated events, deciding that a positive result on two rolls of the dice indicates that positive rolls will continue. For cyberchondriacs, that same tendency means deciding that hitting a symptom means you must also have all the other symptoms in the list.

The researchers invented a fictional type of thyroid cancer, then drew up three lists of the same symptoms. One list grouped the milder and more common symptoms at the top, with the more severe symptoms at the bottom. The second list presented the more severe symptoms first, followed by the milder ones. The third jumbled all symptoms. Healthy subjects were given one of the three lists, required to check their symptoms and asked how likely they were to have the cancer. Both groups reading lists of mild symptoms separated from severe ones were far more likely to believe themselves at risk for this cancer than the group with the symptoms mixed up.

According to psychologist Virginia Kwan, the results demonstrate the kind of unconscious pattern in which the human brain excels. The way gamblers say they have a "hot hand", cyberchondriacs believe they have "hot symptoms": if they hit the first two in a list, they believe they must have the third one as well.

While Kwan hopes that sites like WebMD will use these results to help decrease anxiety among customers, she points out that heightened anxiety isn't always a bad thing. One example: during an epidemic outbreak. "It may be good to group the common symptoms together so that people pay more attention," she says. In any case, next time your neck aches and WebMD suggests you may have viral meningitis, don't panic. Sometimes diagnosis is best left to a medical professional.

(By Britt Peterson, "Newsweek")

2719 Answer the following question concerning PASSAGE GF 16**According to what stated in the passage, what are WebMD and MedicineNet?**

- A) Websites run by professional doctors, where people can seek medical advice
- B) Popular forums to discuss science and health issues
- C) Webpages where the diagnosis of medical examinations are published
- D) Popular websites that people often visit to figure out what their symptoms may indicate
- E) Domains used by the hospitals to provide information to customers

2720 Answer the following question concerning PASSAGE GF 16

According to the passage, which of the following data is NOT correct?

- A) Hypochondria is directly linked to the passion for gambling
 - B) Cyberchondria is getting popular as more and more people look for online medical advice
 - C) More than half of the American population currently surfs the Web to obtain medical information
 - D) Dr. Kwan is trying to put in a word for the WebMD and similar websites
 - E) Cyberchondria is an increasingly widespread form of hypochondria
-

2721 Answer the following question concerning PASSAGE GF 16

Which of the following statements about the experiment described in the text is true?

- A) The results of the groups reading the first and second list of symptoms were quite the same
 - B) The results of the groups reading the second and third list of symptoms were slightly different
 - C) The thyroid cancer used was very similar to the most common type of thyroid cancer
 - D) The order in which symptoms are listed doesn't matter very much as far as the final results are concerned
 - E) Both healthy and unhealthy people were involved in the study
-

2722 Answer the following question concerning PASSAGE GF 16

According to Dr. Kwan, the human brain tends to:

- A) jump to easy conclusions about things that we are unable to understand
 - B) be pessimistic on serious matters and optimistic on trifles
 - C) be optimistic on serious matters and pessimistic on trifles
 - D) not believe the first hints that a person may have a cancer
 - E) be too hasty in deciding whether external impulses are to be believed or not
-

2723 Answer the following question concerning PASSAGE GF 16

The author of the passage is ultimately suggesting:

- A) that we go regularly to a medical professional to talk him/her about what we read on the web
 - B) that we immediately stop reading WebMD
 - C) that we keep on visiting medical websites, but without trusting them at 100% and letting them decide what our health problems are
 - D) that we visit a GP whenever we think we have meningitis
 - E) that we do not worry about any minor symptom we may have and just ignore them
-

PASSAGE GF 17

Read the passage and answer the related questions.

When it comes to ending breast cancer, Fran Visco doesn't think pink ribbons and mammograms will get the job done.

Visco is president of the National Breast Cancer Coalition, a group of activists focused on fighting cancer. Her group has set a goal of ending the disease by January 2020. She thinks the way to do that is through science – through studying how the cancer develops and metastasizes.

"We get sidetracked by efforts to focus on getting every woman a mammogram. We could screen every woman in the world and we would not have stopped breast cancer," she says. "I am not saying to stop screening; however, we cannot make it a main focus."

Visco believes the solution lies in science. "We have to understand which cancers are life threatening and figure out how to stop those," she says. "Mammography will never be the answer. It simply finds some cancers that already exist."

The mortality rate for breast cancer has declined in the past three decades. In 1975, there were 31 deaths for every 100,000 women in the U.S., according to the National Cancer Institute. In 2007, there were 23 deaths for every 100,000 women. Some experts say that's not good enough.

For instance, while it's not an apples-to-apples comparison, the cervical-cancer death rate declined by almost 70 percent between 1955 and 1992. The drop was attributed primarily to the increased use of the Pap test, which can find changes in the cervix before cancer develops. The decline in the breast-cancer mortality rate is "not a significant difference, given the investments of billions of dollars," says Visco.

While the number of mammograms has dramatically increased in America, death rates have not dramatically decreased. The percentage of women age 40 and older who reported having a mammogram rose from 29 percent in 1987 to 65 percent in 2008. In contrast, the mortality rate has decreased by 2.2 percent per year from 1990 to 2008.

Visco acknowledges that her stance is not always popular. A woman whose life was saved by a mammogram would argue that such screenings should be the top priority.

Visco is a breast-cancer survivor herself. Diagnosed at age 39, she helped launch the National Breast Cancer Coalition in 1991. She and a group of like-minded women "just started putting this together," she says.

She adds that her group is perhaps not as well known as other major cancer organizations because "we never focused on marketing ourselves – we focused on doing our work."

(Abigail Pesta, "Newsweek")

2724 Answer the following question concerning PASSAGE GF 17

Fran Visco thinks that mammograms are:

- A) an illusion making women believe they will certainly be saved from illness
- B) not very useful
- C) most of the times, not performed as they should
- D) the most important advance science can boast
- E) useful but not enough, alone, to solve the problem of breast cancer

2725 Answer the following question concerning PASSAGE GF 17

According to the text, which of the following data is NOT correct?

- A) The National Breast Cancer Coalition's activity has recently been promoted and marketed
- B) The percentage of women having a mammogram has more than doubled during 20 years
- C) Both in 1975 and in 2007, less than 1% out of 100,000 women died of breast cancer
- D) Visco was not 40 yet when she was diagnosed a breast cancer
- E) Fran Visco's movement is aiming at defeating breast cancer within less than ten years

2726 Answer the following question concerning PASSAGE GF 17

According to Fran Visco, what's the comparison between breast cancer and cervical cancer death rates like?

- A) It helps understand that early mammograms, as much as Pap tests, can be key in detecting cancer
- B) It is totally out of place
- C) It is a perfect example of the limits of mammograms and other scans
- D) It is not an even comparison, but it helps understand the message she's trying to convey
- E) It is a comparison that's often made in the medical world to highlight the sharp differences between these two kinds of cancer

2727 Answer the following question concerning PASSAGE GF 17**Visco's stance is not always popolare because:**

- A) most people believe that raising awareness about mammograms is key to the war on breast cancer
- B) the very low mortality rate of breast cancer is the greatest achievement that could ever be met, so it's time to focus on something different
- C) research needs funding, which, in turn, needs marketing
- D) breast cancer is already widely studied, while researchers should focus more on cervical cancer
- E) her focus is not on screenings, which are perceived as life-saving

2728 Answer the following question concerning PASSAGE GF 17**According to the text, which of the following statements is true?**

- A) Deaths due to breast cancer have been decreasing as the number of women undergoing mammograms has increased
- B) Visco hates people who keep talking about pink ribbons and mammograms, as she thinks they're wasting their time
- C) Mammograms are sometimes useful to detect new types of cancer
- D) Visco doesn't think publicity is important for the purpose of the group she belongs to
- E) Visco thinks the Pap test and the mammograms have the same percentage of success

PASSAGE GF 19**Read the passage and answer the related questions.**

From helping identify the Ebola virus to leading the charge against AIDS, Peter Piot has been on the frontlines of the global fight against pandemics. In his memoir he shares his remarkable life – and what we should be afraid of next.

Piot, a youthful-looking man of 63, estimates that he has seen 40 new viruses emerge in his career – some of them from uncomfortably close up. His new memoir, "No Time to Lose", describes "a life in pursuit of deadly viruses". Piot wanted to go to Africa and save lives, and he was presented with an unexpected chance in 1977, when a "special package" arrived in Antwerp. It had been sent from Zaire, and it contained two vials of clotted blood from a Flemish nun who had fallen victim to a "mysterious epidemic". Piot says he "winces" at the risk they took in opening the flask without suits or masks – not to mention shipping it in a "cheap thermos." Nonetheless, he began isolating the virus and joined the international team of doctors sent to Zaire to examine the outbreak of Ebola.

He spent the next decade travelling between Antwerp and Africa, and in 1994 he became the founding director of UNAIDS, the agency responsible for coordinating the U.N.'s response to the pandemic. Albert II, king of the Belgians, granted him the title baron, but Piot underestimated the extent of the "institutional inertia" that prevented governments from addressing the problem: "I was naive. I thought we have the evidence, the arguments – but nothing happened".

"No Time to Lose" describes the newly ennobled epidemiologist's attempts to push HIV/AIDS to the top of the global agenda. The memoir ends in 2008 when Piot left UNAIDS, but his career is not over: he says he hopes to "nurture a new generation of academics and clinicians" at the London School of Hygiene and Tropical Medicine, and he has overseen the launch of a new group, called the Centre for Global Non-Communicable Diseases, which will attempt to address the latest threat to global health. The U.N. estimates that 36 million people died from cancer, diabetes, and cardiovascular disease in 2008, and by 2030 they are expected to claim more than 50 million lives a year.

Yet the old problems persist, and there is one sense in which communicable and noncommunicable diseases are related: the food-production industry that is contributing to the epidemic of obesity may be the breeding ground for the next virus. One thing is certain: "It will come," Piot says. "Everything we know points to the fact that one day we will have another massive epidemic".

(Edward Platt, "On the Frontlines of Global Pandemics: Peter Piot's Memoir, 'No Time to Lose'", "Newsweek")

2729 Answer the following question concerning PASSAGE GF 19**According to the text, which of the following is NOT a subject dealt with in Peter Piot's book?**

- A) Some risks he took during his career as an epidemiologist
- B) The Ebola virus outbreak
- C) The importance of fighting the spread of HIV and AIDS
- D) His next challenges as a researcher at the London School of Hygiene and Tropical Medicine
- E) How he founded and later left UNAIDS

2730 Answer the following question concerning PASSAGE GF 19

Which of the following is the virus that Mr Piot saw “from uncomfortably close up”, as stated in the text?

- A) HIV
 - B) The virus of an African disease that no longer exists
 - C) Ebola
 - D) A virus that used to strike mostly Flemish nuns in the 1970s
 - E) It is not specified in the text
-

2731 Answer the following question concerning PASSAGE GF 19

Which of the following data CANNOT be inferred from the text?

- A) "No Time to Lose" includes events that took place between 1977 and 2008
 - B) The UNAIDS agency was founded by Peter Piot while he was in Africa in the '80s
 - C) In 2030 there could be more than 50 million victims of illnesses such as diabetes and cancer
 - D) According to the U.N., more than 30 million people were victims of non-communicable diseases in 2008
 - E) Although Piot is 63, he looks younger than his age
-

2732 Answer the following question concerning PASSAGE GF 19

Peter Piot is rather sure that one of these events will occur in the future. Which one?

- A) More than 50 million people will die every ten years because of non-communicable diseases
 - B) The outbreak of a new version of the Ebola virus
 - C) A sharp increase in AIDS cases
 - D) A pandemic
 - E) A new generations of epidemiologists will convince the governments of many countries about the importance to tackle AIDS
-

2733 Answer the following question concerning PASSAGE GF 19

How does Peter Piot feel when he thinks of the time he received and opened a mysterious vial from Zaire?

- A) He feels relieved that no one contracted the virus while opening and/or handling the sample
 - B) He doesn't want to recall it because he is still afraid of what could have happened if any of them had contracted the virus
 - C) He feels nostalgic about such a great experience
 - D) He feels moved and emotional about what was about to be discovered
 - E) He feels tired thinking of the hard and long work that was ahead of him and his colleagues
-

PASSAGE GF 21

Read the passage and answer the related questions.

Although I grew up in Singapore and lived in China for seven years, I never learned to wield chopsticks with dexterity or skill, as if they were graceful extensions of my fingers. Get it right, and no morsel of food, great or small, slippery or sticky, is beyond your reach.

Instead of holding my chopsticks parallel and deftly manoeuvring the ends toward each other, I cross mine near the middle so that they pivot for better leverage. I would be told that this "X" signalled ill-wishes to my dining companions, which, of course, was not the case. Since I'm also left-handed (another ancient Chinese no-no), I figure I would just be considered an overall lost cause.

Even so, I felt a twinge of unease when I heard that a Chinese legislator was discouraging the use of disposable chopsticks for environmental reasons – and considering alternatives.

Bo Guangxin, chairman of state-owned timber firm Jilin Forestry Industry Group, said that the country produces about 80bn pairs of disposable chopsticks each year, made from 20m 20-year-old trees – an unsustainable burden on the national forests.

"To solve the issue of disposable chopsticks, I think we first need to bring a change to people's eating habits and urge everyone to carry their own eating utensils around," he said, "and secondly, we should gradually explore a replacement for them."

What that means is unclear, and how fast this will happen is questionable – there have been several aborted campaigns to halt the use of disposable chopsticks in recent years — but if knives and forks are to be that replacement, it will be unthinkable.

In China, chopsticks are as quintessential to life and culture as tea and rice or noodles (depending on whether you're in the north or south). When I lived in Beijing or travelled on assignment, using a fork was rarely an option, certainly not at the hole-in-the-wall eateries which served the most delicious renditions of dumplings, noodles and "homestyle" dishes like tomatoes fried with eggs, fragrant and spicy shredded potatoes, and red braised pork.

There are many stories of the provenance of chopsticks, which in some form have been entrenched in Chinese history for thousands of years. Many centre around practical needs – getting meat out of fire, speed, using whatever is around. There are also many superstitions attached to them: dropping chopsticks is bad luck, sticking them upright in your rice is taboo because of the imagery of incense sticks at funeral altars, and finding an uneven pair means you're going to miss transport.

Then there is the long list of chopsticks don'ts: don't point with them, don't spear food with them, don't use them to tap your bowl; only beggars do that. Among the favourite customs are using them to fish cooked bits of meat and vegetables from boiling broth while eating "hot pot" with friends, and serving choice pieces to show affection or respect, not forgetting to flip the chopsticks around to offer the side that has not touched your mouth.

(from: Audra Ang, "Dispose of chopsticks and China loses part of its identity", "The Guardian")

2734 Answer the following question concerning PASSAGE GF 21

According to the passage, a specific misuse of chopsticks is considered a bad omen for eating companions. Which one?

- A) Dropping chopsticks
- B) Keeping chopsticks parallel instead of crossing them as a "x"
- C) Keeping chopsticks with one's left hand
- D) Crossing chopstick as a "x"
- E) Keeping chopsticks upright

2735 Answer the following question concerning PASSAGE GF 21

As regards the Chinese culture, the author says that:

- A) tea is essential to life and culture all over China, while rice is typical in the south and noodles in the north
- B) tea is essential to life and culture all over China, while rice is typical in the north and noodles in the south
- C) just like rice and noodles, tea is not popular in all regions of the country, while chopsticks are essential to all Chinese
- D) chopsticks are as quintessential to Chinese lifestyle as tea, rice and noodles, but forks and knives are growing more and more common everywhere in China
- E) tea is typical of Northern China, while rice and noodles are mostly eaten in the south

2736 Answer the following question concerning PASSAGE GF 21**Bo Guangxin:**

- A) says that the use of disposable chopsticks should be discouraged, but as the chairman of a state-owned timber firm he doesn't really believe what he says because the firm would work a lot less if people used fewer chopsticks
 - B) thinks that people should be encouraged to avoid disposable chopsticks and that a different kind of eating utensils should be introduced in China
 - C) says that the government should start discouraging the use of disposable chopsticks for environmental reasons
 - D) thinks that chopsticks are harmful to Chinese forests, but he has no clear ideas about what could be done
 - E) thinks that chopsticks are quintessential to Chinese life and people won't stop using them in spite of their hugely negative impact on the environment
-

2737 Answer the following question concerning PASSAGE GF 21**What is the main theme of the passage?**

- A) The author grew up in Singapore and repents never learning to use chopsticks – the most specifically Chinese item – now that the Chinese government wants to discourage their use
 - B) The author discusses pros and cons of using chopsticks: they may be hard to use and very bad for Chinese forests, but they are rooted in Chinese life
 - C) Following the news that the Chinese government wants to discourage the use of chopsticks, the author tells Western readers some stories about them (history, superstitions, etc.)
 - D) The author discusses the environmental damage caused by disposable chopsticks claiming that they may be hard to use and a burden for Chinese forests, but they are central to Chinese life
 - E) The author thinks that people in China should stop using chopsticks: they are uneasy to handle and harmful to the environment. In addition, they are connected with superstitions that people should definitely leave behind
-

2738 Answer the following question concerning PASSAGE GF 21**Which of the following statements is NOT correct?**

- A) A "hot pot" is a broth dish that the Chinese like to eat with friends
 - B) The author lived in Beijing for some time and never found a fork in the most authentic eateries
 - C) There are several stories about the origins of chopsticks and all of them centre around either practical needs or superstitions
 - D) Chopsticks can be used to wish bad luck as well as to show affection and respect
 - E) China produces more than 75bn pairs of disposable chopsticks each year
-

PASSAGE GF 22

Read the passage and answer the related questions.

Poland is currently trying to rebrand itself as Europe's new educational destination. It has long lagged behind other countries in terms of attracting students from abroad. At the moment foreign students account for only 1.39% of those attending Polish universities, with most of these students coming from Ukraine, Belarus and Norway.

Many institutions, such as Lazarski University, are making new efforts to cater to foreign students by offering degrees in English at both undergraduate and graduate level. The country's bargain courses are a major attraction for young people abroad. Juan Martín, an Argentinian studying English at a university in Poznan, told me he came to Poland for his degree "because it's cheap, much cheaper than in Argentina". While students at English universities will fork out £9k for a year's study, an entire degree at a Polish university could cost as little as £3,017. "I go to a private university, which costs me £1,000 a year for tuition. However, all good students, including those from abroad, can get a scholarship. Last year I was awarded a £2,000 bursary, which covered the tuition fee twice over".

Living costs are also significantly lower. The average UK student will need £150 per week for living expenses excluding entertainment. This is equivalent to around 750 Polish zlotys: enough to cover a month's rent for a lavish en-suite room in a hall of residence.

But what is student life like in Poland? In the UK students live on or near campus, they get involved in the students' union, they join societies and do regular sports. Student life in Poland focuses on learning. All students have a full timetable, attending classes for their subject specialisation, seminars provided by other subjects in the faculty and lectures in general. All the grades count, so students study very hard. Most Polish universities don't have a students' union with bars and clubs, so student-only nights are run during the week by the city's clubs.

When the country joined the EU in 2004 it was reported to have been hit by a brain drain, with many young people moving abroad. While it is true many young people did move abroad, many highly-qualified people remain. Poland has no shortage of doctors and engineers. Higher education is highly valued in Poland and around 80% of graduates go on to study to master's level.

Poland is also fast-emerging as the Silicon Valley of central Europe. Companies such as Dell, Google, Hewlett-Packard, Intel, IBM, Motorola, Siemens have chosen to open offices there.

(from: Anthony Ash, "Poland: Europe's new university destination?", "The Guardian")

2739 Answer the following question concerning PASSAGE GF 22

What are the main differences in students' life between the UK and Poland?

- A) In the UK students are obliged to take part in the activities of students' unions, societies and sport clubs, while in Poland there are only a few students' unions and students are encouraged to focus on learning and grades
- B) UK students live mostly on or near campus, while in Poland students tend to live at home to save money
- C) In the UK social activities are very important, while Polish universities are only focused on learning
- D) In Poland all foreign students are granted a scholarship that covers the tuition fees twice over. In the UK, the situation is different
- E) UK students need £ 150 per week to cover living expenses and entertainment costs, while in Poland the cost of living is much lower

2740 Answer the following question concerning PASSAGE GF 22

What is Polish universities' major strength when it comes to attracting foreign students?

- A) Several undergraduate and post-graduate courses are offered in English
- B) The very low cost of living in Poland
- C) The system is focused on learning and getting good grades rather than on other kinds of activities such as sports or societies, and there are no bars or clubs on campus, which helps students concentrate on studying
- D) Poland is becoming the European Silicon Valley, which means a lot of international companies are recruiting newly graduate students
- E) The very low cost of tuition fees

2741 Answer the following question concerning PASSAGE GF 22**Which of the following statements is NOT correct?**

- A) Juan Martín is an Argentinian student who studies English at Lazarski University in Poznan
 - B) For this article, an Argentinian student was interviewed and he said that tuition fees in Poland are much cheaper than in his country
 - C) Juan Martín is an Argentinian student who studies English at a public university in Poznan
 - D) Juan Martín is satisfied with his choice and he does not mention the lack of social activities at Polish universities
 - E) England is not listed among the countries where most of foreign students attending Polish universities come from
-

2742 Answer the following question concerning PASSAGE GF 22**The author of the passage reports that:**

- A) in 2004 Europe joined the European Union and this was followed by a remarkable inflow of foreign "brains" due to the low cost of higher education and the good career opportunities for graduates
 - B) after Poland joined the E.U. in 2004 Polish universities became very attractive for foreign students
 - C) Poland is among the few European countries where higher education is highly valued
 - D) following Poland's entrance to the E.U., a lot of young and educated people left the country
 - E) after Poland joined the E.U. in 2004 a lot of young people left the country but the trend is quickly reversing now
-

2743 Answer the following question concerning PASSAGE GF 22**What does the author think of the education opportunities offered by Poland?**

- A) He pretends to be interested but it is clear that he does not believe that Polish universities can be as good as British ones
 - B) He does not think Poland will manage to become a relevant educational destination. The small number of foreigners attending Polish universities shows that European students do not really consider it an option
 - C) He is positive about Poland's future as a relevant educational destination because international students do not arrive from eastern countries with bad educational systems, but also from such a major country as Norway
 - D) He is intrigued by the low-cost offers but thinks that Polish universities are too focused on learning rather than on socialising to attract UK students
 - E) None of the other answers is correct
-

PASSAGE GF 23

Read the passage and answer the related questions on the basis of its contents and not of any knowledge you might have of its subject.

George Osborne, Chancellor of the Exchequer, is probably the most loathed man in Britain today. Osborne released his dreaded 2013 budget, calling it a plan for "those who aspire".

Aspire to what? London is a grim shadow of itself, one of the most expensive cities in the world. The kingdom's economy, ravaged by austerity, has stalled. Single mothers, average earners, small businesses and job seekers are struggling.

"*The Times*" said "Osborne is wrong to tell us we are an aspiring nation. We know what a mess we are in, and we want a budget for a desperation nation."

Households are squeezed dry because of the financial crisis. The aisles of Waitrose, let alone Marks & Spencer's food section, are disturbingly quiet. Taking a taxi practically requires taking out a mortgage.

Store assistants get you into a headlock when you enter the door to buy things, then actually haggle the price like they're in a Tunisian souk. Roads, railways, bridges – and let's not get started on the poor National Health Service – are suffering. The pound is falling. Spending power is limited.

Everyone is waiting for Armageddon.

Osborne says he plans to reduce the deficit. What the hell does that mean? The beer tax got reduced by a penny on a pint. Is that aspiring? The youth of Britain cannot aspire, because there is no work to aspire to.

And boy, did the youth react to this budget, lending Osborne a heavy dose of snark on Twitter – the social-media network that the chancellor, perhaps not so wisely, has just joined.

Why? It's hard to say. It might be because of Osborne's wealthy lifestyle. Like Cameron, he was loaded before politics (a field that doesn't make you rich in the U.K.) and privileged, too. Thus, he has no clue what it means to aspire. His life is standard upper-middle class stuff.

And yet, he's kind of soulful, George, and tries to be a man of the people. He Twitters. He used to get his morning cappuccino at Ottolenghi, the institution that sells brownies for about six pounds – like everyone else.

But he still gets dissed. Who can forget that hilarious moment when he got booed at the Paralympics? I love that moment. Instead of running for the hills, he grinned – literally – and bore the humiliation like a true Englishman.

I am not sure Osborne is the one to yank Britain out of this crisis. But for the moment, he's all we have. Secretaries of the treasury are never popular. Who likes guys who take away more of your cash?

As for George, anyone who laughs in the moment of thousands of "boos" hurled at him can't be that bad.

(from: Janine di Giovanni, "What a Sad Little Empire Britain Has Become", "The Daily Beast")

2744 Answer the following question concerning PASSAGE GF 23

Which of the following alternatives best summarizes the author's opinion on George Osborne?

- A) He doesn't seem to be very clever
- B) He may not be the smartest of Chancellors, but he's likely better than what most people think
- C) He suffers in silence because the British population hates him
- D) He has made questionable and sometimes too risky decisions
- E) He is one of the worst Secretaries of the treasury Britain has ever had

2745 Answer the following question concerning PASSAGE GF 23

What does the author suggest with the statement "Everyone is waiting for Armageddon"?

- A) No short-term improvement to the current economic situation is expected
- B) Everyone in the UK is hoping for the aliens to land on Earth and solve their problems
- C) The situation has become so difficult that the English are ready for the worst
- D) Everyone is convinced their Nation will get destroyed by the Aliens
- E) People are waiting for a sort of "deus-ex-machina" to take them out of trouble

2746 Answer the following question concerning PASSAGE GF 23

Which of the following is NOT listed in the text as a current problem of Britain?

- A) Taxi drivers are struggling to find new customers
- B) The cost of living is very high
- C) The economy is suffering
- D) Health care is not of the best quality
- E) People are struggling to find a job

2747 Answer the following question concerning PASSAGE GF 23

From what stated in the text, we can infer that Waitrose and Marks & Spencer are:

- A) manufacturing firms
- B) retailers
- C) department stores
- D) small shops
- E) restaurants

2748 Answer the following question concerning PASSAGE GF 23

According to the author, people loathe George Osborne so much because:

- A) he is from the upper middle class and yet he is the quintessential Englishman
- B) as a wealthy man he looks unable to understand their problems
- C) his 2013 budget is not what they were looking for
- D) he has become a politician to make easy money
- E) he uses Twitter to gain consent

PASSAGE GF 24

Read the passage and answer the related questions.

The old adage – what will not kill you makes you only stronger – certainly doesn't apply to a bacon cheeseburger from Five Guys Burgers and Fries. This bomb delivers two days' worth of saturated fat and 1,000 calories. I hacked my way through one of these heart-stoppers, and though I still have a pulse, it stayed with me in ways that would not please any doctor.

Immersion journalism was called for after a Five Guys franchise owner, Mike Ruffer, complained about the new law requiring him to offer his employees health care next year.

Here's a guy selling something that is a contributor to the major health breakdowns in America. He won't offer insurance to the workers who make said time bombs. But now that he's forced to, and plans to raise prices to cover the care, he thinks this is an awful thing.

And Five Guys is not exactly struggling. It is the fastest growing restaurant chain in our fast food nation.

In the burger master's view, the government is forcing him to "pass on the costs to customers," he said. But he already passes on considerable costs to customers who may never sniff a Five Guys fry. Because he doesn't give his employees health care, they show up as charity cases at the hospital. Guess whom the expenses are passed on to?

This argument – trying to shame those who don't pay for health insurance and who force those who do to pick up their costs – was originally made by the conservative Heritage Foundation.

But now the Heritage Foundation needs to flip the debate. So, Mike Ruffer was brought in as the star witness at a Heritage forum designed to show how egregious it is that businesses will have to provide health care for their employees.

"There's a part of me that would love to offer health care to my employees," said Ruffer. What he will have to give up to comply with the new law, he said, is about \$60,000 a year in profits. But if you weigh that figure against the price of coronary heart disease, which costs the United States \$109 billion a year in care, medication and lost productivity, it's a pittance.

And in fact, after Ruffer went public with his whining, other Five Guys franchisees said they would work with the new law and offer insurance while still expanding their businesses. They shrugged off the fuss.

But the stage managers at the Heritage Foundation would have us believe that asking a business like Five Guys Burgers and Fries to pay for a small part of the problem that they helped to create makes them a victim. Gulp.

(from: Timothy Egan, "Burgers, Fries and Lies", "The New York Times")

2749 Answer the following question concerning PASSAGE GF 24

What does the author think about the new law requiring companies to provide health care to their employees?

- A) It is fair, but too expensive for most businesses
- B) It is fair and everyone should comply with it
- C) It is scarcely useful if people go on eating in places like Five Guys Burgers and Fries
- D) It will not solve the problem of health care spending
- E) It cannot be borne by Five Guys Burgers and Fries

2750 Answer the following question concerning PASSAGE GF 24

What happened to the author when he tasted the bomb bacon cheeseburger dealt with in the text?

- A) His doctor told him he could have died
 - B) He enjoyed it very much, but he couldn't finish it
 - C) He didn't eat anything on the following two days
 - D) He didn't like the taste of it and found it hard to eat it up
 - E) He managed to eat it all, but he felt it didn't do any good to his health
-

2751 Answer the following question concerning PASSAGE GF 24

According to the author, why is Mike Ruffer's behaviour contradictory?

- A) He said he agrees with the new law requiring him to offer insurance to his employees, but he is not actually complying with it
 - B) He pretends he has no money to pay for his employees' health care, but his company is thriving
 - C) He pretends his company is struggling, while boasting its success
 - D) He claims that as long as people like his burgers and the way he works, he doesn't have to make any changes to the way he runs his business
 - E) He pretends not to be raising prices in order for his business not to suffer the effects of the health care law
-

2752 Answer the following question concerning PASSAGE GF 24

Mike Ruffer's appearance at the Heritage Foundation Forum resulted in:

- A) a national debate on the link between cheeseburgers and heart diseases
 - B) making people understand how serious the problem of coronary heart disease is
 - C) making other franchisee change their mind on the bacon cheeseburger
 - D) raising the awareness of other franchisee on the importance of health care
 - E) Five Guys Burgers and Fries losing customers
-

2753 Answer the following question concerning PASSAGE GF 24

According to the text, which of the following data is NOT correct?

- A) Mike Ruffer stated that his fast food chain will lose thousands of dollars to comply with the brand-new law
 - B) The USA spend more than 100,000 \$ a year because of coronary heart disease
 - C) Five Guys will not lose any profit because of the new health care law
 - D) Five Guys' bacon cheeseburger delivers several hundreds of calories
 - E) Five Guys is one of most successful fast food chains in the USA
-

PASSAGE GF 25

Read the passage and answer the related questions.

With spring comes the idea of spring cleaning, of purging the home and letting in light and air. This annual purgation has grown from a necessity to a psychological apotheosis: the clean home as the foundation of contentment. When did people start believing that good life was dependent on domestic perfection?

In the flowering of modernism between the end of the First World War and the beginning of the Second, architects forged a connection between housing and health. Victorian homes were a nightmare to them: they were dark, filled with carpets and hangings that harbored dirt and were difficult to clean.

The early modernists wanted to wash away this squalor with an ocean of shining chrome, tile and white plaster. Generous windows and electric light would expose every speck of dirt. The early modernists were obsessed with healthful living. The better home would lead to better people.

The early modernist interior was a minimalist interior. Walls were plain, floors were uncarpeted, windows were generous, surfaces were bare. Vigorous and virtuous this environment might be, but it didn't immediately sell itself as a source of happiness. The message came across that the modernist home was somehow less than human, that it lacked basic homeyness.

Most of us still find purging our surroundings to be an overture to more virtuous behavior. A good tidying up is what's needed, and then the human factor will fall in line.

But the minimalist home is not as labor-saving as it claims. It rejects even the set-aside newspaper or the smallest smudge. Too much of this, and the mind becomes deranged.

Minimalism had a short life. Its asceticism was at odds with the rising consumer spending. Designers started to preach comfort. Psychological studies showed the beneficial effects of color, so the white was painted over.

But the new guard shared something with the minimalist: the home was still meant to improve its inhabitant. What had changed was the emphasis – a peaceful mind instead of a healthy body.

This, too, sounds reasonable. It is a problem when it becomes a mania.

Modernist determinism – the idea that our lives can be perfected by our environments – lives on in the rhetoric of marketing departments. Doing something about our surroundings has become a surrogate for therapy.

Of course one's home can be a source of happiness. But if we imagine that its role is to make us happy, we could end up believing that if we are unhappy, our home is to blame. The marketers prefer it this way, because they have a solution: whatever it is they're selling.

(from: Will Wiles, "Unhappy? Clean House", "The New York Times")

2754 Answer the following question concerning PASSAGE GF 25

According to the passage, why were architects convinced of the importance of a clean house between the two World Wars?

- A) They wanted to prevent the spread of new diseases
- B) They were obsessed by hygiene
- C) They wanted to remove the memory of chaos and dirt generated by the latest war
- D) The memory of Victorian houses was still too recent to forget
- E) They meant to create a brand-new style of house living

2755 Answer the following question concerning PASSAGE GF 25

Which of the following sentences best rephrases the following statement? "A good tidying up is what's needed, and then the human factor will fall in line".

- A) A neat and clean environment stimulates better behaviour and habits
- B) If your house is clean, there are good chances you will be in a good mood
- C) If your house is clean, there are good chances you will be happy throughout your life
- D) Even if you tidy up your house, there is no guarantee you will be happy
- E) You can be happy only if you tidy up your house every day

2756 Answer the following question concerning PASSAGE GF 25

Why didn't the modernist house actually meet the demands of the population at first?

- A) It looked like it had been built by an alien and not by a man
 - B) It didn't look very cosy and comfortable
 - C) People weren't ready for such a sharp change compared with the Victorian houses
 - D) People refused anything that was new and different from their habits
 - E) Every speck of dirt was exposed, which means the house had to be cleaned too often
-

2757 Answer the following question concerning PASSAGE GF 25

According to the author of the passage, a minimalist house is:

- A) too clean to be real
 - B) the ideal environment to live in
 - C) always so tidy and neat that it can drive its tenants crazy
 - D) the best solution to make housekeeping easier
 - E) the natural evolution of a Victorian home
-

2758 Answer the following question concerning PASSAGE GF 25

According to the author of the passage, why do marketers want people to believe their house can be the source of their happiness?

- A) People spend much of their time at home, therefore a proper environment can certainly make the difference
 - B) They hope to convince them they have a solution for everything
 - C) They are deeply convinced it is so
 - D) They are trying to create the perfect house for everyone
 - E) They want to make fun of people
-

PASSAGE GF 26

Read the passage and answer the related questions.

The "Vanishing Languages" project by Kevin James, a New York-based composer, is a rare hybrid of conservation effort and memorial, new music and ancient languages. Prodded by Unesco statistics that predict that by the end of the century half of the world's 6,000 languages will be extinct, Mr. James spent months recording the last remaining speakers of four critically endangered tongues: Hokkaido Ainu, an aboriginal language from northern Japan, the American Indian Quileute from western Washington, and Dalabon and Jawoyn, aboriginal languages from Australia.

On Friday evening the enigmatic sounds of Ainu and Quileute filled the space in Brooklyn in performances of two works that were as haunting as they were riveting. Both mixed recorded voices, sounds and electronica with a live score performed by a roster of virtuosic and adventurous new-music ensembles.

The program provided no transcriptions of the streams of foreign words that came out of the speakers surrounding the audience and blended in and out of the music. When pressed by an audience member, Mr. James revealed that one of the women heard during "Ainu Inuma" was giving a cooking demonstration. But since the last fluent speaker of Ainu died seven years ago, and the two remaining Quileute speakers "don't like each other," according to Mr. James, even the most prosaic words take on the hermetic mystery the Egyptian hieroglyphs held before the discovery of the Rosetta Stone.

While much of Mr. James's music possesses a mournful quality with wobbly cello notes that echo the brittle voices of the very old, it also manages to convey his fascination with the surface beauty of language. Both pieces call on performers to mimic speech on their instruments with constant fluctuations of speed and meter.

In "Ainu Inuma" players imitated the sound of a bamboo jaw harp played by the Ainu by striking the strings with the wooden side of their bows. The singing and moaning sounds of Dorothy Lawson's cello were so close to the voice of one female speaker that she became in effect her body double.

"Counting in Quileute" had a strong ritualistic feel to it. The often puzzling actions of the players appeared like a secret choreography designed to bring forth the voices of the dead filtered through the crackle of old phonographs.

The imperfections of these old recordings show how heavily smudged the window is that we have on these vanishing cultures. And yet it seemed as if it were these voices who were willing the performance into existence.

(from: Corinna de Fonseca Wollheim, "Echoes of Languages No Longer Heard", "The New York Times")

2759 Answer the following question concerning PASSAGE GF 26

Which of the following statements CANNOT be inferred from what stated in the text?

- A) About 3,000 languages could be lost forever by the year 2100
- B) More than 6,000 languages are spoken all over the world
- C) Kevin James is interested in the Unesco statistics
- D) "Vanishing Languages" includes tongues from three different continents
- E) There are no fluent speakers of Ainu left

2760 Answer the following question concerning PASSAGE GF 26

Which of the following elements was NOT part of the Brooklyn performances described in the text?

- A) Music
- B) Voices
- C) A transcription of the words spoken by the foreign speakers
- D) Electronic sounds
- E) Animals' cries

2761 Answer the following question concerning PASSAGE GF 26

According to the text, why are simple words from the endangered languages dealt with so special?

- A) It has become almost impossible to hear someone pronounce them
- B) Their sounds are unique
- C) They all have more than one possible meaning
- D) No one knows what they mean
- E) It is very difficult to sing them

2762 Answer the following question concerning PASSAGE GF 26

Why does the author think that recorded voices are particularly appropriate for the purpose of Kevin James's work?

- A) Their quality matches perfectly with live music
- B) They create an odd atmosphere
- C) They sound very old
- D) They sound as fragile as the vanishing culture and language they represent
- E) They add an aura of mystery to the overall performance

2763 Answer the following question concerning PASSAGE GF 26

Which of the following elements is not present either in "Ainu Inuma" or in "Counting in Quileute"?

- A) Faraway voices
- B) Strings
- C) A choreographed dance
- D) Mournful sounds
- E) Cello notes

PASSAGE GF 27

Read the passage and answer the related questions.

Samoa Air, the Pacific national airline which flies domestically and last week began connecting Samoa to American Samoa, allows passengers to nominate their weight and then measures them on scales at the airport.

Passengers do not pay for a seat but pay a fixed price per kilogram, which varies according to the length of the route.

Analysts believe other airlines around the world are likely to follow suit, especially as the rising weight of populations adds to fuel costs. Some airlines in the United States have already begun forcing passengers who cannot fit in a single seat to buy two tickets.

The Pacific island nations have some of the world's highest rates of obesity, with Samoa usually included in the top ten countries for obesity levels.

The head of Samoa Air, Chris Langton, said the new system was fairer and that some families with small children were now paying substantially cheaper fares.

"This is the fairest way of travelling," he told ABC Radio. "There are no extra fees in terms of excess baggage or anything – it is just a kilo is a kilo is a kilo."

Mr. Langton said he believed his airline's new payment policy was helping to promote health and obesity awareness.

"When you get into the Pacific standard weight is substantially higher [than south-east Asia] but it can be quite diverse," he said. "People generally are becoming much more weight conscious. That's a health issue in some areas. It has raised the awareness of weight."

The rates range from \$1 a kilogram – for the weight of the traveller and their baggage – on the airline's shortest domestic route to about \$4.16 per kilogram for travel from Samoa to the neighbouring nation of American Samoa.

An economist in Norway, Bharat P. Bhatta, proposed in a recent journal article that charging passengers according to weight would help carriers recoup the cost of the extra fuel required to carry heavier travellers.

Mr. Langton said he believed charging by weight was "the concept of the future".

"It's a new concept," he said. "As any airline operators knows, airlines don't run on seats, they run on weight ... People generally are bigger, wider and taller than they were 50 years ago. It is an area where the industry will start looking at this."

(From: Jonathan Pearlman, "Samoa Air defends policy to charge passengers by weight", "The Telegraph")

2764 Answer the following question concerning PASSAGE GF 27

Which of the following is NOT one of the reasons that Chris Langton provides to support the new ticket policy?

- A) Families with small children are now paying a lot less
- B) Charging passengers according to their weight is fairer
- C) The new policy is raising awareness about obesity
- D) Some U.S. airlines have already started to follow his example
- E) The major cost for the airline industry comes from weight rather than from the number of passengers and bags

2765 Answer the following question concerning PASSAGE GF 27**According to the author of the article:**

- A) thanks to the new policy, Samoa Air is raising its profits and will soon address new markets
 - B) the new airfare system will probably be adopted only in those countries where obesity is a serious issue
 - C) if more effective measures were taken to fight obesity, people's weight would no be an excuse for extravagant business ideas
 - D) the new policy adopted by Samoa Air is likely to spread elsewhere
 - E) Chris Langton came up with the new policy as a way to tackle the issue of obesity
-

2766 Answer the following question concerning PASSAGE GF 27**Which of the following statements is true?**

- A) Passengers and bags are charged different prices
 - B) Samoans are among the fattest peoples in the world, but thanks to their national airline, they are gaining consciousness on this health issue
 - C) Chris Langton's new system was inspired by economist Bharat P. Bhatta
 - D) Norway is in the top ten countries for obesity levels
 - E) Families with small children always pay very little even if they bring a lot of heavy bags
-

2767 Answer the following question concerning PASSAGE GF 27**What does Mr. Langton think about people's weight?**

- A) Nowadays people tend to be heavier than in the past
 - B) There are more overweight people than 50 years ago
 - C) Governments must be urged to do something about this very serious health issues, which cannot be left to private companies such as his own
 - D) Obesity is not as serious an issue in the U.S.A. as in Samoa
 - E) None of the other answers is correct
-

2768 Answer the following question concerning PASSAGE GF 27**Which of the following pieces of information about Samoa CANNOT be found in the text?**

- A) They use the metric system
 - B) Standard weight is generally higher than in other areas of the world
 - C) Samoa Air does not fly internationally
 - D) Only a few countries have a higher obesity rate than Samoa
 - E) None of the other answers is correct
-

PASSAGE GF 71

Read the passage and answer the related questions.

British scientists plan to harness the power of the internet to catch outbreaks of killer infections before they spread. The researchers will use online surveillance to monitor millions of web searches where people have looked up symptoms related to conditions such as HIV, MRSA or dangerous strains of flu.

They say this will help them to locate in "real time" exactly where the next epidemic is emerging. It is hoped that this will "revolutionise" Britain's ability to respond to deadly infections and prevent millions of deaths. The £17million government-funded Interdisciplinary Research Collaboration (IRC) centre, where the technologies will be advanced, is expected to be operational by October. The Health Protection Agency currently relies on medical testing which can take up to two weeks to determine where an outbreak is happening.

Dr. Rachel McKendry, from UCL, said online tracking of infectious diseases could identify epidemics before patients even visit a doctor. She said it is "crucial" the online surveillance be linked to the mobile testing being developed at the IRC to be used in GP surgeries and even care homes. "In a single visit someone can be diagnosed, get the result and get treatment," said Dr. McKendry.

(from: "Web searches for symptoms of HIV, MRSA and flu strains will be monitored to spot outbreaks of infections", Sanchez Manning, "The Independent")

2769 Answer the following question concerning PASSAGE GF 71

Based on the information provided in the passage, which of the following statements is INCORRECT?

- A) The internet is expected to become a powerful tool to prevent outbreaks of killer infections thanks to a British-funded Interdisciplinary Research Collaboration Centre that is developing a revolutionary diagnostic technique
- B) A new, revolutionary diagnostic technique is being launched in Britain in a short time. Doctors will be able to provide online information and diagnosis to internet users searching for symptoms related to specific conditions, helping them getting treatment in one single visit and preventing outbreaks of killer infections
- C) A revolutionary diagnostic technique is being launched in Britain by October, based on online surveillance to monitor millions of web searches for symptoms of several serious conditions such as HIV, MRSA or dangerous strains of flu. This technology will allow researchers to locate the emergence of an epidemic well before the two weeks that the Health Protection Agency presently needs
- D) A new diagnostic technique could help Britain respond to lethal infections and prevent millions of deaths. The system, which is already raising high hopes and huge enthusiasm, is expected to be operational by October
- E) A new diagnostic technique based on monitoring web searches is going to be launched by October. Researchers expect it to be much quicker and more effective than the Health Protection Agency's current medical testing

2770 Answer the following question concerning PASSAGE GF 71

Dr. Rachel McKendry:

- A) predicts that patients will eventually be diagnosed at home and will only have to see a doctor to get a prescription
- B) is a British researcher based at UCL who is collaborating to the development of the online monitoring system
- C) thinks that the new online surveillance will not work unless it is combined with the mobile testing system that the IRC is developing for use in GP surgeries and care homes
- D) is excited about the new technique. However, she does not think that the system is going to be effective in a short time because the IRC is still developing the mobile testing system, and the latter is yet to be connected to the network of GP surgeries and care homes
- E) none of the other answers is correct

2771 Answer the following question concerning PASSAGE GF 71**Which of the following statements concerning the new online monitoring system is correct?**

- A) Expected to be operational by October, the system is going to focus on British internet users, monitoring millions of them from the very beginning
 - B) Monitoring internet users will help researchers locate the outbreak of an epidemic in "real time", i.e. in about two weeks
 - C) The British government is investing over 15 million pounds to fund a diagnostic technique that will revolutionise Britain's ability to tackle several lethal conditions
 - D) The system will monitor internet users and provide them with a single web visit in which someone will be able to be diagnosed, get the result and get treatment
 - E) The system is being developed by the British-funded IRC and the Health Protection Agency
-

2772 Answer the following question concerning PASSAGE GF 71**The major advantage of the online monitoring system:**

- A) lies in the chance to combine the surveillance of internet users with the chance to invite them to see a doctor as soon as possible, letting them know that their doctor is already informed and ready to treat them
 - B) lies in the combination of rapidity of action on doctors' side (doctors can prevent outbreaks in no time) and anonymity for patients. The passage implies that people often prefer browsing the internet rather than seeing a doctor out of embarrassment or shame connected to some kinds of diseases such as HIV or MRSA. The new system makes it possible for them to be diagnosed and treated online
 - C) rests on researchers' ability to locate the outbreak of an epidemic at the very time when it starts spreading and take immediate measures to stop contagion
 - D) is still unclear: the system has got a huge potential but it is not operational yet
 - E) can be found basically in the ability of the surveillance system to communicate with GP surgeries and care homes
-

2773 Answer the following question concerning PASSAGE GF 71**According to the passage, what role will family doctors (GPs) play within this system?**

- A) None of the other answers is correct
 - B) They will learn about the spread of an epidemic in their area and be prepared to diagnose and treat patients as quickly as possible to prevent the infection from spreading
 - C) It is still unclear: Dr. McKendry says that the mobile testing system for GPs and care homes is still being developed
 - D) They will have no active role given that the system will work in full autonomy. They will only follow up with their patients once they've been diagnosed online
 - E) They will be connected to the online system in order to be ready to treat patients and to communicate online with them
-

PASSAGE GF 72

Read the passage and answer the related questions.

As a gastronomic delicacy, the five-ounce hamburger that Mark Post has painstakingly created surely will not turn any heads. But Dr. Post from Maastricht University is hoping that it will change some minds. The hamburger, assembled from tiny bits of beef muscle tissue grown in a laboratory and to be cooked and eaten at an event in London, perhaps in a few weeks, is meant to show the world – including potential sources of research funds – that so-called in vitro meat, or cultured meat, is a reality.

The idea of creating meat in a laboratory – actual animal tissue, not a substitute made from soybeans or other protein sources – has been around for decades. The arguments in favor of it are many, covering both animal welfare and environmental issues. For example, full-scale production of cultured meat could greatly reduce water, land and energy use, and emissions of methane and other greenhouse gases, compared with conventional raising and slaughtering of cattle or other livestock. Those environmental arguments will only gain strength, advocates say, as worldwide demand for meat increases with the rise of middle-class populations in China and elsewhere.

Dr. Post has made strides in developing cultured meat through the use of stem cells and techniques adapted from medical research for growing tissues and organs, a field known as tissue engineering.

Yet growing meat in the laboratory has proved difficult and devilishly expensive. Dr. Post has repeatedly postponed the hamburger cook-off, which was originally expected to take place last year.

His burger consists of about 20,000 thin strips of cultured muscle tissue. Dr. Post, who has conducted some informal taste tests, said that even without any fat, the tissue “tastes reasonably good.” For the London event he plans to add only salt and pepper.

But the meat is produced with materials – including fetal calf serum, used as a medium in which to grow the cells – that eventually would have to be replaced by similar materials of non-animal origin. And the burger was created at phenomenal cost – 250,000 euros, provided by an anonymous donor. Large-scale manufacturing of cultured meat that could sit side by side with conventional meat in a supermarket and compete with it in price is at the very least a long way off.

There are also questions of safety and of the consumer appeal of a product that may bear little resemblance to a thick, juicy steak.

(from: Henry Fountain, “The New York Times”)

2774 Answer the following question concerning PASSAGE GF 72

The author of the passage points out that, aside from production costs, in-vitro meat would be scarcely appealing to consumers because:

- A) it probably tastes different from “actual” meat, while at the same time posing issues of safety
- B) it is still unclear whether full-scale production would be as environmental-friendly as researchers claim.
Besides, in-vitro meat does not taste like real meat
- C) the rising middle-class population in China and elsewhere is demanding for meat, not for protein substitutes that, after all, do not taste like a thick, juicy steak
- D) it is produced with materials that eventually would have to be replaced by similar materials of non-animal origin, which means consumers would end up perceiving it is a vegetarian product not unlike those made from soybeans or other protein sources
- E) consumers are still afraid of tissue engineering and stem cells

2775 Answer the following question concerning PASSAGE GF 72

According to the author of the passage, the hamburger event in London:

- A) is based on a five-ounce hamburger that cost about 20,000 euros
- B) will surely be a failure because, despite Dr. Post’s claims, in-vitro meat does not taste as good as real meat
- C) combines a gourmet tasting experience with the chance to let people know that it is now possible to create meat in a laboratory
- D) will be a success because people have been waiting for it since it was scheduled and subsequently cancelled last year
- E) is also aimed at raising funds for Dr. Post’s research

2776 Answer the following question concerning PASSAGE GF 72**According to the passage, in-vitro meat is NOT:**

- A) made using stem cells, which are grown in fetal calf serum
 - B) fat-free but, according to Dr. Post, still quite good to eat
 - C) produced by extracting stem cells from fetal calf serum
 - D) an issue that has been talked about for more than ten years
 - E) something that will be available in supermarkets in a very long time, in the most optimistic scenario
-

2777 Answer the following question concerning PASSAGE GF 72**Supporters of cultured meat:**

- A) are specifically concerned with slaughtering of cattle or other livestock
 - B) expect artificial meat to become necessary as actual meat becomes less and less sustainable
 - C) are worried about the environmental costs of materials of non-animal origin that will eventually be used to produce in-vitro meat
 - D) are waiting for a new product to replace conventional vegetarian foods made from soybeans and other protein sources, as these are becoming increasingly less sustainable
 - E) are aware that demand for cultured meat is increasing with the rise of middle-class populations in China and elsewhere
-

2778 Answer the following question concerning PASSAGE GF 72**Which of the following statements is correct?**

- A) Dr. Post has been working to cultured meat for decades
 - B) The author points out that Dr. Post's research was financed by a private and anonymous donor to denounce the lack of public funding to such a groundbreaking field
 - C) A two-ounce hamburger would consists of about 5,000 thin strips of cultured muscle tissue
 - D) Dr. Post's hamburger took an extremely long time to be produced but will be a huge piece of meat
 - E) The London event has been announced but it is still unclear when it is going to actually take place
-

PASSAGE GF 73

Read the passage and answer the related questions on the basis of its contents and not of any knowledge you may have of its subject.

People who struggle with maths problems might fare better after a course of gentle electric shocks to the brain, scientists have claimed. Psychologists at Oxford University found that students scored higher on mental arithmetic tasks after a five-day course of brain stimulation.

If future studies prove that it works – and is safe – the cheap and non-invasive procedure might be used routinely to boost the cognitive power of those who fall behind in maths, the scientists said. Researchers led by Roi Cohen Kadosh zapped students' brains with a technique called transcranial random noise stimulation (TRNS) while they performed simple calculations, or tried to remember mathematical facts by rote learning.

In the study, 25 students had electrical pulses fired across their brains, while 26 others had a sham treatment, in which they thought they had brain stimulation, but the equipment was turned off. In tests afterwards, the students who had their brains stimulated solved maths puzzles 27% faster than the control group, suggesting that their brains were working more efficiently.

"Our aim is to help those with poor numeracy, which is approximately 20% of the population," Cohen Kadosh said. "But we need to extend the results to the general population, and use more ecological settings, such as classrooms. There is of course more work to be done, but it is a promising direction."

Cohen Kadosh said the improvement lasted for six months after the course of stimulation, but other scientists were dubious about the claim. The result was based on six students who received stimulation, and six controls, who returned to the lab six months later.

"The work is technically impressive and an elegant illustration of how brain stimulation can have immediate benefits for learning that are linked to changes in brain physiology," said Chris Chambers, a psychologist at Cardiff University. "At the same time, I'm sceptical about the conclusion that TRNS boosted maths ability even six months after it was applied. The claim is based on a very small sample. My worry is that the six-month effect, as intriguing as it appears, could be a false discovery. I would love to see this effect replicated in a sample that is larger and well-powered, because if true it could have important implications for basic neuroscience and the treatment of various clinical conditions. But until such data appears, the six-month claim remains weak in my view."

(from: "Electric shocks to brain help students solve maths problems, scientists say", Ian Sample, "The Guardian")

2779 Answer the following question concerning PASSAGE GF 73

What does Chris Chambers think about the study described in the passage?

- A) He is sceptical about the results of the study because he does not think that such a procedure could be applied to the general population on a regular basis
- B) He believes that the study was based on an insufficient number of people, and thus provided no final results, especially for what is concerned with the six-month effect
- C) He is impressed by the results but does not think this will result in new treatments for various neurological conditions
- D) He is impressed by how brain stimulation can have immediate benefits for learning that are linked to changes in brain psychology, but sceptical about the six-month effect
- E) He is sure that the six-month effect is a false discovery and claims for wider research to demonstrate this

2780 Answer the following question concerning PASSAGE GF 73

According to the current state of research, the groundbreaking procedure is said to possess all the following elements but one. Which?

- A) According to the research team, it lasts for six months
- B) It can boost cognitive power
- C) It is not expensive
- D) It is not dangerous
- E) It is not invasive

2781 Answer the following question concerning PASSAGE GF 73**Which of the following statements concerning the new procedure is correct?**

- A) The control group included a smaller number of people than the group that was actually brain-stimulated
 - B) It is based on a course of brain stimulation that lasts for less than a week
 - C) The research team hopes the new procedure will be able to help people with poor numeracy, which is about 1/3 of the general population
 - D) Researchers think it could be used on a non-regular basis to improve people's mathematical abilities
 - E) Cohen Kadosh thinks that, in order to achieve final results, it is necessary for the research team to leave classrooms behind and test more people in several different settings
-

2782 Answer the following question concerning PASSAGE GF 73**During the test, students' brains:**

- A) were scanned with a technique called transcranial random noise stimulation while performing easy calculations or learning mathematical facts by heart
 - B) were zapped with a technique called transcranial noise simulation while trying to solve maths puzzles and calculations, or to remember mathematical facts by rote learning
 - C) received electrical pulses. Afterwards, students had to take simple maths tests such as easy calculations, memorizing mathematical facts and solving maths puzzles
 - D) were zapped with electric pulses and at the same time scanned while they tried to perform easy mathematical calculations or to remember mathematical facts by rote learning
 - E) were hit with a technique called transcranial random noise stimulation while they made easy calculations, or tried to memorize mathematical facts
-

2783 Answer the following question concerning PASSAGE GF 73**Which of the following statements about Roi Cohen Kadosh is FALSE?**

- A) The results he achieved were not based on testing the same students for one or two years
 - B) He says that the study is based on an impressive technique and is a good illustration of how brain stimulation can have immediate benefits for learning
 - C) He observed that after the stimulation procedure, the brains of those who had been actually stimulated were working more efficiently
 - D) He is optimistic about future applications of the procedure, but feels that the work has only just begun
 - E) He is not based at Cardiff University
-

PASSAGE GF 74

Read the passage and answer the related questions on the basis of its contents and not of any knowledge you might have of its subject.

Something as simple as a smile can display friendliness in one culture, embarrassment in another, impatience in a third. Even silence means different things in different places. To help you master these significant parts of communication – or simply avoid making an embarrassing faux pas – here are four non-verbal traits that vary from culture to culture.

When trying to communicate through a language barrier, it's natural to use gestures as a way of illustrating your point. We assume it's helpful, since our words are being visually reinforced. Hand motions are, however, culturally relative, and the wrong gesture can inadvertently lead to confusion or offence. The thumbs-up sign is equivalent to the middle finger in Greece and Sardinia. Tapping your finger to your temple is a gesture to show memory in North America, but suggests insanity in Russia. It's not just the individual gestures that can cause miscommunication, but the rate of gesturing. Some societies, like Italy and Spain, are known for talking with their hands. Others are more reserved with body movement as a form of politeness. In parts of East Asia, gesturing is considered boorish behaviour, and would be rude in a professional setting.

Though it can feel like a void in communication, silence can be very meaningful in different cultural contexts. Western cultures tend to view silence as problematic. In our interactions it is uncomfortable and often perceived as a sign of inattentiveness or disinterest. In other cultures, however, silence is not viewed as a negative circumstance. In China, it can be used to show agreement and receptiveness. In many aboriginal cultures, a question will be answered only after a period of contemplative silence. In Japan, silence from women can be considered an expression of femininity.

Britain, along with much of Northern Europe and the Far East, is classed as a "non-contact" culture, in which there's very little physical contact in people's daily interactions. By comparison, in the high-contact cultures of the Middle East, Latin America, and southern Europe, physical touch is a big part of socialising. What's more, there are different standards for who touches whom and where. In much of the Arab world, men hold hands and kiss each other in greeting, but would never do the same with a woman. In Thailand and Laos, it is taboo to touch anyone's head, even children.

In most western countries, frequent eye contact is a sign of confidence and attentiveness. We tend to assume that a conversation partner who looks away is either disengaged or lying. This is not the standard around the world. In many Asian, African, and Latin American countries, this unbroken eye contact would be considered aggressive and confrontational. These cultures tend to be quite conscious of hierarchy, and avoiding eye contact is a sign of respect for bosses and elders.

(from: "International body language: a language with no words", Anne Merritt, "The Telegraph")

2784 Answer the following question concerning PASSAGE GF 74

According to what is stated in the passage, which of the following statements concerning Latin American countries is correct?

- A) People use a lot of gestures, touch each other as a big part of socialising and avoid eye contact as a sign of respect for bosses and elders
- B) People perceive silence as problematic, while gesturing, touching people and looking for eye contacts are perceived as positive elements
- C) Their culture is based on physical contact rather than on eye contact
- D) Breaking eye contact is perceived as aggressive and confrontational, while a lot of physical contact is socially accepted and even expected
- E) Their culture tends to consider lack of eye contact as aggressive and confrontational. Physical contact is essential to socialising

2785 Answer the following question concerning PASSAGE GF 74

Which of the following characteristic is NOT associated with silence in the passage?

- A) Awkwardness
- B) Richness of meanings
- C) Lack of interest
- D) Hierarchy
- E) Femininity

2786 Answer the following question concerning PASSAGE GF 74

According to the passage, even a smile can convey different feelings in different cultures. Where is it perceived as a sign of embarrassment?

- A) The information is not given in the text
 - B) In Japan
 - C) In Arab countries, where it is not used between men and women
 - D) In the Far East
 - E) In many Asian, African, and Latin American countries
-

2787 Answer the following question concerning PASSAGE GF 74

What can be inferred about body language in the Far East?

- A) Silence tends to acquire a positive meaning and/or be connected with femininity, while gesturing, eye contact and touching other people is generally perceived as rude
 - B) Far Eastern populations tend to attach a positive meaning to silence, and this is why they answer questions after a meditative pause. Besides, they don't want their heads to be touched
 - C) Countries of the Far East tend to be hierarchical and "non-contact" societies. They especially avoid physical contacts between men and women, and require women to be silent as an essential part of their femininity
 - D) In several Far Eastern countries, body movement is perceived as a form of politeness. Therefore people tend to avoid gesturing along with eye and physical contact
 - E) In many Far Eastern countries, people tend to avoid physical contact and gesturing, and silence can be perceived as a listener's positive attitude
-

2788 Answer the following question concerning PASSAGE GF 74

Which of the following statements is correct?

- A) Children's head are not to be touched in many Asian countries, while Arabs avoid contact between men and women
 - B) All the other statements are correct
 - C) Russia is described as a society with a high rate of gesturing
 - D) Eye contact in most western societies is connected with a peer-to-peer relation between two conversation partners
 - E) In China, silence in a conversation is a positive element and is frequently expected when someone is asked a question and needs to ponder an appropriate reply
-

PASSAGE HM 06

Read the passage and answer the related questions on the basis of its contents and not of any knowledge you might have of its subject.

China's seemingly relentless growth already makes it a voracious consumer of raw materials, energy and commodities. Now it's after brainpower.

With research funding and teaching opportunities drying up at home, young Western academics are being drawn to what are considered the elite Chinese universities (the likes of Peking, Tsinghua and Fudan) in greater numbers. They are taking up positions that not only pay well but also come with perks like housing allowances and tax exemptions. "I'm able to save a lot more money than I could if I were in the U.S. right now," says Kevin Chastagner, who started at Peking University's business school two years ago as an assistant professor. Chastagner says he and other compatriots who have opted for China find the teaching load "favorable," allowing them to spend more time on research, which is not always possible for junior academics. And they aren't required to handle administrative chores either.

China's education policy is one of expansion and internationalization. The country spends 4% of its GDP on education, amounting currently to almost \$360 billion. "China is spending, on average, more on research and development than any other major developed economy in the West," said a policy paper by a labor-market research institute. And government research funding is galloping at a 20% increase annually. A planned transition toward a "services and skills-based economy" has also placed a new emphasis on better education.

It isn't a totally smooth ride for the new recruits. Expat professors say creative and independent thinking among students is hard to come by – the consequence of a character-based language that requires years of diligent rote learning to master. White draws a comparison with students at Harvard, where he was a postdoctoral fellow. "Most [Chinese] students want specific instructions," he says, and once the task is made explicit, they will work hard to complete it. One year, Peking University associate professor Christopher Balding says he failed 30% of his 120-student class because they had plagiarized. Even among the brightest students, Balding believes there is limited understanding of "what it takes to go to that next level: the concept of creative thinking."

A comprehensive understanding of international research standards is missing, foreign academics also find. This, says Professor Rui Yang of the University of Hong Kong, is a significant barrier to China becoming an academic destination. Values such as academic freedom and meritocracy are not entrenched, and collegiality among professors, an integral part of research, is limited.

(from: Anjani Trivedi, "With Declining Opportunities at Home, Young Western Academics Head to China", "Time")

2789 Answer the following question concerning PASSAGE HM 06

Why is creative and independent thinking very unlikely to be found among Chinese students, according to the passage?

- A) Because Chinese students learn to be very diligent while studying their complex writing, so it is very hard for them to disagree with a professor or ask questions
- B) Because Chinese students are not used to their Western professors' requirements and tend to plagiarize in order to please them
- C) Because values such as academic freedom and meritocracy are not yet common among students and professors, and conformism is the norm
- D) Because of the peculiar kind of education that Chinese students receive before entering university, based on learning writing characters by heart
- E) Because international research standards are not taught in China

2790 Answer the following question concerning PASSAGE HM 06

What does the sentence "Now it's after brainpower" mean?

- A) The time to increase Chinese brainpower has already come and gone, and China is going to remain a productive and consumerist country with little interest in research
- B) The Chinese are now investing less in energy and raw materials and more in research
- C) Intelligence, among Chinese citizens, is increasing more and more as they become more and more consumerist
- D) It's time for China to start investing money in research and education
- E) China is now looking for highly skilled professionals

2791 Answer the following question concerning PASSAGE HM 06

The word "perks" (2nd paragraph) means:

- A) amenities
 - B) things
 - C) fringe benefits
 - D) options
 - E) duties
-

2792 Answer the following question concerning PASSAGE HM 06

Which of the following issues is cited in the passage as a negative element of Chinese academia?

- A) China needs to attract Western academics because too many promising Chinese researchers leave the country for Western universities
 - B) Collegiality, rather than meritocracy, is very important for Chinese professors and researchers
 - C) Junior professors are not requested to handle administrative chores
 - D) The number of students who fail their exams is too high
 - E) Chinese academics tend to have little or no knowledge or comprehension of international research standards
-

2793 Answer the following question concerning PASSAGE HM 06

Which of the following statements is correct based on what is stated in the passage?

- A) China spends 4% of \$360 bn on education
 - B) \$360 bn is 4% of China's GDP
 - C) China spends more on research than Western countries, but less than other Asian countries
 - D) China is investing 20% of total research funding on professors' wages
 - E) China spends more on education and research than all Western countries together
-

PASSAGE HM 14

Read the passage and answer the related questions on the basis of its contents and not of any knowledge you might have of its subject.

Many dog owners will tell you their pet can pick up on when they are happy or sad, and now, scientists have proved that they may well be right. A new research found that the brain of a dog reacts in the same way as the human brain when played sounds including laughing and crying.

"Dogs and humans use similar brain mechanisms to process social information and this is the first step to understanding what makes vocal communications between dogs and humans so successful," said Attila Andics, lead author of the research.

11 dogs were carefully trained to lie still in an fMRI scan at the Hungarian Academy of Science's Eotvos Lorand University in Budapest for the study. It wasn't an easy process and took 12 training classes, along with seven sessions in the scanner room. In the end though the dogs were happy to take part, said Dr Marta Gasci.

"The dogs training was based on positive reinforcement techniques," she said. "Lots of praise while they were lying on the scanner, and of course lots of food rewards."

The team also got the lesser trained dogs to watch the experienced dogs on the scanner so they could see all the rewards and attention the other was getting. "It made them want to get on the scanner bed, participate in the task," said Dr Gasci.

22 human volunteers took part in the research, the first ever comparative neuroimaging study of a nonprimate and a primate species. Each of the people and dogs were played the same 200 different noises including non-word human sounds, barking, cars and whistles. It was found that the areas of the brain activated by the various sounds was strikingly similar in dogs and humans. Dogs did however react much more strongly to dog sounds than the human sounds.

"Dogs have dedicated voice areas in their brain, just as people do," said Dr Andics. "The voice area of the dog brain responds more strongly to dog sounds, the human more strongly to human sounds. The voice areas are located very similarly in the dog and human brain, this means these areas evolved at least 100 million years ago – the age of the last common ancestor of humans and dogs."

(Tomas Jivanda, "The Independent")

2794 Answer the following question concerning PASSAGE HM 14

The Hungarian study was:

- A) one of the few experiments ever carried out to analyse dogs' brains
- B) the very first study where dogs' brains were observed with an fMRI scanner
- C) the first comparative neuroimaging study of a primate and a nonprimate species
- D) the first comparative neuroimaging study based on the examination of both trained and untrained dogs
- E) the first ever study aimed at observing dogs' brains

2795 Answer the following question concerning PASSAGE HM 14

How did the team manage to involve the less trained dogs?

- A) Human voices they were familiar with, offering food, were used to lure the dogs on the scanning bed
- B) The less trained dogs were made to watch all the attention and rewards the other dogs were receiving when they were on the scanning bed, which made them want to be in their place
- C) They received a 12-class training, plus seven sessions to get familiar with the scanner
- D) Researchers left food on the scanning bed and dogs were happy to go get it
- E) The dogs got so familiar with the volunteers taking part in the study thanks to food and praise that they were finally happy to lie on the scanning bed alongside their favourite human

2796 Answer the following question concerning PASSAGE HM 14

Which of the following statements concerning the passage is correct?

- A) Both dogs and men have dedicated voice areas in their brain, and those areas are located very similarly
- B) Dr Gasci says that the experiment shows that the dedicated voices areas in the dog and human brain evolved at least 100 million years ago, when humans and dogs had their last common ancestor
- C) Dogs were found to be able to recognise human voices among several different noises, reacting more strongly to human sounds than to dog sounds
- D) The experiment is the final step to understanding why humans and dogs communicate so successfully in verbal terms
- E) Researchers had to follow a 12-class training to learn dog-training techniques for the experiment

2797 Answer the following question concerning PASSAGE HM 14**What did the experiment involve?**

- A) Dogs were lured into the fMRI scan with food and praise and, while they were eating, researchers made them listen to several different noises to record their brain activity and subsequently compare it with the brain activity of a group of humans listening to same sounds
- B) 11 dogs and 22 humans were made to listen to several different noises while they were lying in an fMRI scan. Their brain activity was later compared with that of other primate and nonprimate species to find out that men and dogs are the closest species in terms of the brain areas activated by sounds
- C) Both people and dogs were made to hear, individually, the same 200 different noises in order for the researchers to find out which brain areas activated and to what point
- D) Humans and dogs lay on the scanner bed at the same time while listening to 200 different sounds. Meanwhile, the researchers observed their cerebral activity in order to compare which areas reacted most to what sounds in humans and dogs
- E) Dog and human brains were scanned while people and pets were lying in an fMRI scan listening to some 22 kinds of sounds. Dogs were found to be more reactive to dog sounds, men to human sounds

2798 Answer the following question concerning PASSAGE HM 14**On the basis of what stated in the passage, what are "positive reinforcement techniques"?**

- A) Training techniques for dogs that lead them to imitate other dogs' behaviours through a kind of envy
- B) Techniques that are used for dogs that resist all other kinds of training systems
- C) Encouraging training techniques that tend to use food rather than praise to improve dogs' behaviours
- D) Techniques based on encouraging positive behaviours through a reward system
- E) Techniques aimed at training dogs by strengthening their innate qualities

PASSAGE HM 15

Read the passage and answer the related questions on the basis of its contents and not of any knowledge you might have of its subject.

Autism is a strange condition. Sometimes its symptoms of "social blindness" (an inability to read or comprehend the emotions of others) occur alone. This is dubbed high-functioning autism, or Asperger's syndrome. On other occasions, though, autism manifests as part of a range of cognitive problems. Then, the condition is debilitating. What is common to those on all parts of the so-called autistic spectrum is that they are more often men than women. Boys are four times more likely to be diagnosed with autism than girls are. For high-functioning autism, the ratio is seven to one.

Autism's precise causes are unclear, but genes are important. Though no mutation which, by itself, causes autism has yet been discovered, well over 100 are known that make someone with them more vulnerable to the condition.

Most of these mutations are as common in women as in men, so one explanation for the divergent incidence is that male brains are more vulnerable than female ones to equivalent levels of genetic disruption. This is called the female-protective model. The other broad explanation, social-bias theory, is that the difference is illusory. Girls are being under-diagnosed because of differences either in the ways they are assessed, or in the ways they cope with the condition, rather than because they actually have it less. Some researchers claim, for example, that girls are better able to hide their symptoms.

To investigate this question, Sebastien Jacquemont of the University Hospital of Lausanne and his colleagues analysed genetic data from two groups of children with cognitive abnormalities. Those in one group, 800 strong, were specifically autistic. Those in the other, 16,000 strong, had a range of problems. They found that girls in both groups more often had mutations of the sort associated with abnormal neural development than boys did. This was true both for copy-number variants (CNVs, which are variations in the number of copies in a chromosome of particular sections of DNA), and single-nucleotide variants (SNVs, which are alterations to single genetic letters in the DNA message).

This seems compelling evidence for the female-protective model. Since all the children whose data Dr Jacquemont examined had been diagnosed with problems, if the girls had more serious mutations than the boys did, that suggests other aspects of their physiology were covering up the consequences. Females are thus, if this interpretation is correct, better protected from developing symptoms than males are. And, as further confirmation, Dr Jacquemont's findings tally with a study published three years ago, which found that CNVs in autistic girls spanned more genes (and were thus, presumably, more damaging), than those in autistic boys. [...]

(from: "Autism: Why it's not 'Rain Woman'", "The Economist")

2799 Answer the following question concerning PASSAGE HM 15

What does the social-bias theory argue?

- A) Girls suffer from autism as much as boys, but fewer girls are diagnosed because females and males are assessed differently or deal with the condition in different ways
- B) Girls should be studied more thoroughly because, while they do suffer from autism, researchers have tended to focus on boys and this has resulted in an underestimation of the number of autistic girls
- C) Girls are generally more clever than boys, which allows them to hide a full range of social disfunctioning symptoms
- D) The difference in the number of girls and boys suffering from autism is illusory because girls have simply been less studied than boys. Recent studies have found that there is no difference in genetic mutations leading to autism in boys and girls
- E) Girls have the same number – or even more – genetic mutations as boys, but their brains are less vulnerable to genetic disruption than boys'

2800 Answer the following question concerning PASSAGE HM 15

In the very last sentence of the passage, what does it mean that "Dr Jacquemont's findings tally with a study published three years ago"?

- A) The findings of Dr Jacquemont's study seem to contradict a similar study carried out three years ago
- B) The findings of Dr Jacquemont's study correspond with those of a previous study
- C) Dr Jacquemont's study seems to copy a previous study on the same subject
- D) The findings of Dr Jacquemont's study differ from those of an earlier study, and this seems to be confirming the female-protective model
- E) Dr Jacquemont's study was probably inspired by an earlier research on the same issue

2801 Answer the following question concerning PASSAGE HM 15**What did the University Hospital of Lausanne study find?**

- A) Boys less often had mutations of the kind associated with abnormal neural development than girls
 - B) Girls tended to have more mutations at the SNV level, while boys had more at the CNV level
 - C) Girls tended to have more mutations at the CNV level, while boys had more at the SNV level
 - D) Girls didn't tend to have genetic mutations more frequently than boys, but they were affected at both levels (CNV and SNV) at the same time, which would account for more serious conditions. The fact that they don't develop autism as often as boys would thus provide evidence for the female-protective model
 - E) Girls less often had mutations of the sort associated with abnormal neural development than boys
-

2802 Answer the following question concerning PASSAGE HM 15**Based on the information provided in the passage, which of the following statements concerning autism is INCORRECT?**

- A) Dr Jacquemont's study seems to indicate that boys are less protected from developing symptoms than girls
 - B) The study carried out at the University Hospital of Lausanne only dealt with children whose problems had been diagnosed
 - C) Only a minority of the children studied by Dr Jacquemont and his research team were specifically autistic
 - D) The number of people suffering from both autism and cognitive problems is greater than the number of those who suffer from high-functioning autism
 - E) More than one hundred genetic mutations are known that make carriers more vulnerable to autism
-

2803 Answer the following question concerning PASSAGE HM 15**According to the passage:**

- A) copy-number variants in autistic girls involve a greater number of genes than those in autistic boys
 - B) Dr Jacquemont's research team aimed at demonstrating that the social-bias theory is wrong, and they were able to find evidence for that
 - C) alterations to single genetic letters in the DNA message in autistic girls involve a greater number of genes than those in autistic boys
 - D) Dr Jacquemont's study focuses on both CNVs and SNVs in both male and female children, while the previous study only analysed CNVs in girls
 - E) Dr Jacquemont's starting point was the social-bias theory, but he ended up finding strong evidence for the female-protective model
-

PASSAGE HM 49

Read the passage and answer the related questions on the basis of its content and not of any knowledge you might have of its subject.

Its unmistakable smell permeates Seoul subway carriages during the rush hour, and aficionados claim it is the healthiest food on the planet. Once valued as a source of vitamin C before the arrival of refrigerators, kimchi now crops up on menus far from its birthplace on the Korean peninsula. Kimjang, the traditionally communal act of making kimchi, was recently awarded world cultural heritage status by Unesco. But despite its growing popularity in restaurants from Los Angeles to London, South Korea's national dish is in crisis in its country of origin. To kimchi's basic ingredients of napa cabbage, garlic, seasoning and copious amounts of chilli powder, we can now add a trade war with China and fears of lasting damage to Korean cultural identity.

According to the World Institute of Kimchi, South Korea's kimchi exports were worth \$89.2m in 2013, down 16% on the previous year. But imports – almost all of which come from China – rose almost 6% to \$117.4m. That left the South Koreans with a kimchi deficit of more than \$28m – and a wound to their national pride that has festered since the trade imbalance first appeared in 2006.

The kimchi deficit should have been foreseen, perhaps, when the dish made the transition from luxury food to popular staple in the late 18th century. To keep up with demand, Korea began importing cabbages from China. Kimchi is an indispensable part of the Korean diet, with South Koreans eating almost 2m tonnes every year. Though it often appears in stews and soups, no meal is considered complete without a side dish of cabbage kimchi, along with variations made from daikon radish, cucumber, perilla leaf or a host of other seasonal vegetables. There are an estimated 100 varieties from the fresh, crunchy dish preferred in the north to the more pungent version commonly eaten further south. According to the cultural heritage administration in Seoul, about 95% of Koreans eat kimchi more than once a day; more than 60% have it for breakfast, lunch and dinner.

According to Jia Choi, president of a cookery school in Seoul, kimchi forms the basis of a perfectly balanced meal: several dishes made with seasonal vegetables, with a smaller quantity of rice or noodle dishes providing the carbohydrate. "The Unesco award certainly gave us an added sense of pride," said Choi, who hopes kimchi's international recognition will boost consumption among her young compatriots. "Interest in traditional Korean traditional cuisine is waning. Kids today eat a more varied diet that includes a lot more western food, and that's why kimchi consumption is declining year after year."

(Justin McCurry, "Crisis in Korea as younger generation abandons kimchi" in "The Guardian")

2804 Answer the following question concerning PASSAGE HM 49

Which of the following is NOT a traditional ingredient of kimchi?

- A) Chili powder
- B) Garlic
- C) Napa cabbage
- D) Cucumber
- E) Seasoning

2805 Answer the following question concerning PASSAGE HM 49

Which of the following statements is NOT correct?

- A) Kimchi existed before the 1700s, but it was a luxury dish
- B) Kimchi represents a must in Korean meals, and over 60% of Koreans have it three times a day
- C) Only 5% of Koreans don't eat kimchi at least twice a day
- D) In the north some 100 varieties of kimchi can be found, while in the south people generally eat a pungent version
- E) Kimchi is often eaten in stews and soups

2806 Answer the following question concerning PASSAGE HM 49

What does Jia Choi hope?

- A) She hopes after the award, the Unesco will do something to concretely boost consumption of kimchi among the youth
- B) She hopes the Unesco award will stop young Koreans from eating Western food
- C) She hopes the Unesco award will make kimchi popular among young Koreans
- D) She hopes her younger compatriots will return to Korean traditional diet because it is balanced and healthier than western food
- E) None of the other answers is correct

2807 Answer the following question concerning PASSAGE HM 49**According to the World Institute of Kimchi:**

- A) none of the other answers is correct
- B) South Korea's kimchi imports from China decreased by 6% from 2012 to 2013
- C) South Korea's kimchi exports increased by 16% from 2012 to 2013
- D) South Korea's imports of Chinese cabbage increased by 16% from 2012 to 2013
- E) South Korea's kimchi exports decreased by 16% from 2012 to 2013

2808 Answer the following question concerning PASSAGE HM 49**What does "crop up" mean in the second sentence of the passage?**

- A) To disappear from
- B) To be proposed with occasional success
- C) To appear quite unexpectedly
- D) To be imitated, but with scarce resemblance
- E) To slowly become popular

PASSAGE HM 51

Read the passage and answer the related questions on the basis of its content and not of any knowledge you might have of its subject.

According to the World Health Organization, four of the 10 worst-polluted cities in the world are in Iran. The number one slot was awarded to the small Iranian industrial city of Ahvaz, which has three times the concentration of pollutants as Beijing. Tehran checks in at number 82 (of 1099), with roughly four times the concentration of polluting particles as smog-blighted Los Angeles. It's also the country's capital and the largest city in western Asia, a metropolis of over 8 million people with an outsized political influence in the region and a growing global presence.

When asked how the pollution in the country came to be this bad, many Iranian citizens and government officials point to U.S.-led trade sanctions that cut off access to the country's much-needed motor gasoline imports, and the technology needed to effectively produce home-grown gas. The sanctions, they say, have forced Iran to use outdated equipment and produce toxic formulations of cheap petroleum just to keep the country's 21 million cars from running on empty. But some experts say the problem is more complicated, and the blame should be shared. They argue that the sanctions, though problematic, merely took the lid off of festering issues that had been building for many decades: a drastic population increase, mismanagement and – in some cases – corruption.

The air pollution crisis is now pervasive. During bad periods, school is cancelled for a week at a time; the sick and elderly are told not to leave their homes; and people are banned from driving their cars on designated days of the week. And people are dying from what they inhale. In 2013, the Health Ministry announced that up to 4,460 Tehran residents died due to air pollution, equivalent to roughly 25 percent of the total number of deaths in the city each year. Debates over the city's growing air pollution woes have intensified – and there has even been talk of relocating the capital, in part to get away from the lethal pollution. In 2013, a parliamentary proposal to choose another capital city received 110 yeas from the 214 Chamber-members present for the vote; supporters of the change cited the pollution, debilitating traffic jams and high earthquake risks. Such a move would be incredibly costly, so it's unlikely to happen, but the fact that it is being seriously considered shows that many Iranians finally realize they are in the midst of an environmental disaster.

(From: "Choking to Death in Tehran", by Azeen Ghorayshi, "Newsweek")

2809 Answer the following question concerning PASSAGE HM 51**What measure is NOT taken in Tehran when the air quality is extremely bad?**

- A) The elderly are told not to go out
- B) People cannot drive their cars on specific days of the week
- C) Schools are closed for a whole week
- D) The sick are told to stay at home
- E) People cannot drive their cars for a whole week

2810 Answer the following question concerning PASSAGE HM 51**What does the author of the passage think about the causes of pollution in Iran?**

- A) She says that both the U.S.-led sanctions and some Iranian problems such as population increase, mismanagement and corruption must be taken into account
 - B) She thinks pollution in Iran has one single cause: the U.S.-led sanctions
 - C) She does not agree with the government and population, and thinks that only the country's inner problems are to blame
 - D) She does not know whether the right explanation comes from the government or from experts
 - E) She thinks pollution in Iran has one single cause: corruption
-

2811 Answer the following question concerning PASSAGE HM 51**Which of the following statements is correct?**

- A) Pollution is not the only reason why people have been talking about relocating the capital
 - B) In 2013 the Iranian Parliament approved a proposal to choose another capital city
 - C) Debates over the pollution in Tehran have intensified so much that someone has proposed to demolish the city and rebuild it somewhere else
 - D) Despite the Parliament is trying hard to tackle the issue of pollution, most Iranians haven't yet realized how serious the problem is
 - E) The total number of deaths caused by air pollution in Tehran is increasing by 25% each year
-

2812 Answer the following question concerning PASSAGE HM 51**According to the passage, Tehran is:**

- A) one of the 10 worst-polluted cities in the world
 - B) three times as polluted as Los Angeles
 - C) three times as polluted as Beijing
 - D) not the most polluted city in Iran
 - E) as polluted as Beijing and Los Angeles considered together
-

2813 Answer the following question concerning PASSAGE HM 51**What do many Iranians and government officials think about the relationship between U.S.-led sanctions and pollution?**

- A) The sanctions prevent Iran from importing modern, more efficient cars
 - B) Because of the sanctions, Iran cannot import updated equipment and must produce toxic formulations of cheap petroleum to keep cars going
 - C) Iran has got suitable technologies but it cannot import petroleum, so Iranians are forced to use toxic formulations of petroleum to keep their cars going
 - D) None of the other answers is correct
 - E) The sanctions force Iran to import both motors and petroleum from underdeveloped country, which means outdated technologies and toxic formulations of petroleum
-

PASSAGE HA 14

Read the passage and answer the related questions on the basis of its content and not of any knowledge you might have of its subject.

Over the years, Bollywood has spread its wings significantly. Not only are films entering the top 10 international box-office charts more frequently, but international film production companies are investing in the industry, with Bollywood actors being given more opportunities to star in Hollywood and British films. With less than half a dozen releases between the two of them, actors Alia Bhatt and Arjun Kapoor are two examples of a new generation, with their latest film, "2 States", in the can and ready for release.

The pair seem completely at ease with one another, and this comfort level is replicated on screen. Though they've dismissed any rumours of a real-life linkup, their on-screen kiss, which can be seen in "2 States" trailer, has made headlines across the country. "It's interesting that it comes down to the fact that you put a kiss in a trailer and that gets spoken of. There's a lot more in this trailer than that kiss. There are a lot of layers in the film," says Arjun.

Intimate scenes have always been a taboo subject in the Indian film industry, with certain actors even demanding a specific no-kissing clause in contracts. But in the last decade or so, a number of A-list celebrities have been seen locking lips with their co-stars on screen if the script demands it.

Bhatt says: "In the beginning of the film we're in a live-in relationship, so obviously when you're in a live-in relationship with someone that you love, what do you do? How long can you keep your hands off each other?" Kapoor agrees, saying: "If today we can't speak about a live-in relationship with a kiss in Bollywood, then I think we are degrading our audience's sensibilities." Based on the book by Chetan Bhagat, "2 States" follows the ups and downs of modern, forward-thinking couple Krish Malhotra (Kapoor) and Ananya Swaminathan (Bhatt), who meet each other as students. However, Krish is a north-Indian Punjabi boy from Delhi, while Ananya is a Tamilian-Brahmin girl from Chennai in the south of India. Problems soon arise for the couple when they decide to get married, but agree they won't move forward with their wedding until both families approve. Kapoor describes "2 States" as a film about the youth of today, enabling people, specifically those with a western background, to see how different the second and third generations of Indians are from their parents. He adds that though today in India live-in relationships are accepted, there is still a strong need of parental approval when thinking about marriage. So the film is a blend of the modern and the traditional.

(from: Meera Majithia, "2 States and screen kisses: 'Bollywood is cranking it up a notch'" in "The Guardian")

2814 Answer the following question concerning PASSAGE HA 14

Which of the following terms is NOT a synonym of "forward-thinking" (paragraph 4)?

- A) Modern
- B) Cultivated
- C) Innovative
- D) Go-ahead
- E) Progressive

2815 Answer the following question concerning PASSAGE HA 14

Why did the trailer of "Two States" make headlines across India?

- A) Because of the alleged affair between the two protagonists
- B) Because the two actors are international stars, who have been working in Hollywood and the U.K. for a while, and their coming back to Bollywood cause quite a sensation
- C) Because the trailer includes a kiss scene between the two protagonists, who are the first Indian actors ever not to have signed a no-kissing clause in their contracts
- D) Because the protagonists are A-list celebrities and no one has ever seen them giving an on-screen kiss
- E) Because of the kiss between the protagonists, which is still quite sensational for a Bollywood film

2816 Answer the following question concerning PASSAGE HA 14

Which of the following statements concerning Alia Bhatt and Arjun Kapoor is correct?

- A) They have a live-in relationship in real life, but they are waiting for their parents' approval before they get married
- B) Overall, they played in fewer than six films
- C) They come from different Indian regions
- D) "2 States" is not their first film together and this is why they are completely at ease with one another
- E) All the other options are correct

2817 Answer the following question concerning PASSAGE HA 14**Which of the following statements about Bollywood is NOT correct?**

- A) Indian movies are entering the top 10 international charts more frequently nowadays
- B) Today Bollywood is just a stepping stone for Indian actors, who then leave for Hollywood or the U.K. and never come back
- C) Bollywood actors have been less conservative over the last ten years or so
- D) Not only Indian film production companies are now investing in the Indian film industry
- E) Bollywood films can be adapted from books

2818 Answer the following question concerning PASSAGE HA 14**"2 States" can be described as a description of present-day India because:**

- A) None of the other answers is correct
- B) it describes a modern country where girls can go to university and make their own decisions in terms of relationships, while they parents don't make any pressures about anything
- C) it is about a love story resulting in a wedding, as Indian parents can't accept live-in relationships yet and insist on marriage
- D) the two protagonists represent the new generation of Bollywood actors, which has completely replaced the old one and can deal with a number of themes that used to be taboo subjects until a few years ago
- E) it describes a country where modernity and tradition coexist, as live-in relationship are accepted, but parents approval is still needed when it comes to marriage

PASSAGE HA 16

Read the passage and answer the related questions on the basis of its contents and not of any knowledge you may have of its subject.

Students are increasingly using laptops for note-taking because of the speed and legibility they confer. But research into how note-taking affects students' academic performance has found that laptop users are less able to remember and apply the concepts they have been taught, despite making more notes than students who write by hand. The study was based on a series of experiments that aimed to find out whether using a laptop increased the tendency to make notes "mindlessly" by transcribing word for word.

In the first test, students were given either a laptop (disconnected from the Internet) or pen and paper. They all listened to the same lectures and were told to use their usual note-taking strategy. 30 minutes after the end of the talk, they were examined on their ability to recall facts and on how well they understood concepts. The researchers found that laptop users took nearly twice as many notes as those who wrote by hand, which can be useful. However, the typists performed considerably worse at remembering and applying the concepts they had been taught. Both groups scored similarly when it came to memorising facts. The researchers' report said: "While more notes are beneficial, at least to a point, if the notes are taken indiscriminately or by mindlessly transcribing content, as is more likely the case on a laptop, the benefit disappears. Verbatim note-taking, as opposed to more selective strategies, signals less encoding of content."

In another experiment aimed at testing long-term recall, students took notes as before but were tested a week after the lecture, with a chance to revise beforehand. This time, the students who wrote notes by hand performed significantly better at both parts of the exam – even though some of the faster typists had managed to transcribe most of the lecture verbatim. Taken together, these two studies suggest that handwritten notes are not only better for immediate learning and understanding, but that they also help embed information for future reference.

In a final test, the researchers specifically told some of the laptop users not to take verbatim notes. The students were told that "people who take class notes on laptops when they expect to be tested on the material later tend to transcribe what they're hearing without thinking about it much". But despite being explicitly aware of the potential pitfalls, members of this group still got lower scores in both parts of the exam, suggesting that taking notes by hand really is a superior technique.

(from: Elliot Davies, "The Independent")

2819 Answer the following question concerning PASSAGE HA 16**In the first test:**

- A) students were tested one hour after the end of the lecture
- B) researchers found no significant difference between the two groups in terms of remembering and applying concepts
- C) researchers could spot no significant difference between the two groups in term of memorising facts
- D) laptop users did not seem to have taken notes mindlessly
- E) none of the other answers is correct

2820 Answer the following question concerning PASSAGE HA 16

What word is closest in meaning, in the context of the text, to "pitfalls" (last paragraph)?

- A) Results
 - B) Faults
 - C) Qualities
 - D) Scores
 - E) Hidden hazards
-

2821 Answer the following question concerning PASSAGE HA 16

According to the studies described in the passage, handwritten notes:

- A) are better than laptop notes but students who take notes by hand tend to write less than laptop users, which could result in leaving some key information behind
 - B) are better for both immediate learning and understanding, and for embedding information for the future
 - C) are worse for both understanding and embedding information
 - D) always lack key information
 - E) are the same as laptop notes in terms of embedding information for the future
-

2822 Answer the following question concerning PASSAGE HA 16

What does the author mean by "verbatim note-taking" (paragraph two)?

- A) Note-taking by summarising key concepts in order to go through the notes soon after the lecture and expand key concepts
 - B) Taking a very small number of notes
 - C) Note-taking by summarising key concepts
 - D) Note-taking by using a lot of abbreviations
 - E) Word for word note-taking
-

2823 Answer the following question concerning PASSAGE HA 16

With regard to the second experiment (paragraph three):

- A) laptop users performed better than those who wrote by hand
 - B) students were tested five days after the lecture
 - C) laptop users performed worse at memorising facts
 - D) only laptop users were allowed to revise their notes before the exam
 - E) students had to take notes one week after the original lecture
-

PASSAGE HA 22

Read the passage and answer the related questions on the basis of its contents and not of any knowledge you may have of its subject.

Gardening, once perceived as the sole preserve of middle-class women who revere the Chelsea Flower Show, is now being used as an effective therapy to help drug addicts, soldiers with post-traumatic disorders and stroke victims alike.

On the eve of National Gardening Week, Sir Richard Thompson, president of the Royal College of Physicians, says more doctors should be promoting gardening therapy, not simply to benefit patients, but also to create "huge potential savings for the National Health Service (NHS)". "Just looking at a garden is scientifically proven to improve recovery time," said the patron of horticultural charity, Thrive. "Patients do much better after surgery if they look at 'green things' – and they get out of hospital quicker." According to Sir Richard, "positive spin-offs" from gardening include, exercise, vitamin D from sunlight, and home-grown food. He said: "If everyone was encouraged to do a bit more gardening, you can well imagine how that would affect obesity rates and reduce the stress on the NHS."

According to Thrive's Alyson Chorley, gardening can benefit everyone, regardless of age or ability. "We help older people, and people who have had strokes to improve their mobility by getting their muscles moving. Gardening also improves mental health by providing a sense of purpose and achievement. It's a very social activity and can reduce feelings of isolation and low mood – making friends is easy for some, but for others it is really difficult and having a shared interest can really help."

The charity combines therapeutic benefits with practical ones by teaching City & Guilds qualifications, with more than half of those taking part leaving with an NVQ in work-based horticulture.

Ian Rickman attended The Geoffrey Udall Centre in Reading, after suffering a stroke in 1995. "Initially, I didn't think I'd ever be able to garden again," said the 58-year-old centre volunteer. "When I came out of hospital I looked through my patio doors at my greenhouse and I just cried. I couldn't even step over the threshold. But with time, and through the gardening, my confidence returned. It was like being born again."

49-year-old Kevin Fitzgerald turned to the east London-based Grounded project 10 years ago when he was struggling with depression and alcohol-addiction. "I just didn't know what to do anymore," he said. "But when I started volunteering, I felt this surge of wellbeing at the possibility of being able to come to a patch in the park and call it my own. To hit the cow parsley and take out the brambles just allowed me to find a sense of new direction."

(Kitty Knowles, "How green fingers can help with the blues: On the eve of National Gardening Week, patients should take up their trowel - and save the NHS a fortune", "The Independent")

2824 Answer the following question concerning PASSAGE HA 22

Sir Richard Thompson thinks that:

- A) the NHS would benefit if everyone did a little gardening
- B) doing a little gardening improves mental health because it provides a sense of purpose and achievement
- C) if everyone did a little gardening, obesity rates would definitely increase
- D) although the NHS would save a lot of money if everyone did gardening and exercise, this is not a very important reason why doctors should promote garden therapy
- E) gardening is a healthy activity, but patients shouldn't be encouraged to do it – they should just look at a garden to feel better

2825 Answer the following question concerning PASSAGE HA 22

Is gardening a social activity?

- A) Generally it is not. Sometimes, however, it can be a social activity, for example in garden therapy, which helps patients share a common interest and feel less lonely while they are recovering
- B) No, it isn't, because people are generally unable to turn their passion for gardening into a shared interest
- C) Yes, it is. It can help both to reduce feelings of isolation and, as a shared interest, to encourage people to make new friends
- D) No, it isn't, because people generally work alone in their garden, although a lot of people share this interest
- E) Yes, it is, but only for the elderly and the sick, who feel less isolated and manage to make new friends

2826 Answer the following question concerning PASSAGE HA 22

The passage quotes several different conditions that can be tackled by means of garden therapy. Which of the following conditions is NOT among them?

- A) Drug addiction
 - B) Stroke
 - C) Depression
 - D) Stress
 - E) Alcohol addiction
-

2827 Answer the following question concerning PASSAGE HA 22

What does Thrive do?

- A) The information provided in the passage is insufficient for an answer
 - B) It works as a meeting point for stroke patients and people who are willing to volunteer in order to recover from depression or other mental conditions
 - C) It collects money to teach City & Guilds qualifications to people who have had strokes, drug addicts and the old
 - D) It helps the old and people who have had strokes, and it also teaches qualifications in horticulture
 - E) It collects money to offer garden therapy to people who have had strokes, drug addicts and the old
-

2828 Answer the following question concerning PASSAGE HA 22

What does "revere" (paragraph 1) mean?

- A) To attend
 - B) To disregard
 - C) To remember something from a faraway past
 - D) To feel deep respect or admiration
 - E) To try to imitate
-

PASSAGE HA 23

Read the passage and answer the related questions on the basis of its contents and not of any knowledge you might have of its subject.

It is a phrase familiar to many cyclists who have come a cropper on our roads and retained the ability to hear the words: "Sorry mate, I just didn't see you." But how could you not see a big lump of human right in front of your eyes? The answer: a fault in our brains that means, sometimes, even when there is eye contact, the image of a cyclist does not materialise before it's too late.

Crawford Hollingworth, an expert in behavioural psychology, is more used to devising smart ways for companies to sell us stuff. But as a cyclist, who – touch wood – has escaped serious injury on his daily commute across London, he had a lightbulb moment that set him down a different path.

"I was about to cross Hyde Park Corner, one of the junctions in the city that scares me most, and noticed the little bike on the special set of traffic lights," he says. "I suddenly thought, there it is, a symbol that everybody knows that could have the power to unlock the brain."

Two years later, Hollingworth has launched a set of bike lights he believes represent a breakthrough in road safety. They are startlingly simple and, in all ways but one, like any other bike lights – white at the front, red at the rear. The difference: a black stencil turns the super-bright LED light each device emits into an image of a person on a bike.

"It means a driver does not have to decide what a light or shape belongs to, because their brain gets that information milliseconds faster, hopefully giving them time to adjust their behaviour," Hollingworth explains. Brainy Bike Lights are designed to trigger the same associations during the day as well as the night, although they will be most effective in the dark. To develop them, Hollingworth drew on his own work, as well as that of academics, to reveal the importance of understanding our cognitive flaws and the power of familiar, human symbols to overcome them.

"There's a thing called priming," says Hollingworth, the co-founder of Behavioural Architects, a consultancy obsessed with the way consumers think. "For example, if you read literature embedded with words associated with ageing, such as 'tired' or 'achy', it subconsciously influences your behaviour – you might walk a bit slower. In the same way, a symbol of a bike with a human on it very quickly triggers associations with vulnerability."

"Our brains work on a subconscious level," Hollingworth adds. "We travel on autopilot, which is why we often have no memory of large parts of our journeys."

Inventors have applied similar psychology to other products. Children are more likely to brush their teeth properly when the toothbrush features a smiley face. Shoppers, meanwhile, have been shown to buy more cereal when a character on the box makes eye contact. "We've learned more about our brains in the past five years [than in] I don't know how long," Hollingworth says. "And any innovation has to be good if it also helps to save lives."

(Simon Osborne, "Brainy Bike Lights invention represents a 'breakthrough in road safety' for cyclists", "The Independent")

2829 Answer the following question concerning PASSAGE HA 23

What does the author mean when he says that Crawford Hollingworth "had a lightbulb moment"?

- A) He had a sudden flash of inspiration
- B) He felt extremely relieved after escaping serious injury
- C) He suddenly thought of a light bulb and had the idea that led to Brainy Bike Lights
- D) He survived an accident and decided to invent something to help cyclists
- E) None of the other answers is correct

2830 Answer the following question concerning PASSAGE HA 23

Mr Hollingworth's bike lights are based on the notion that:

- A) any innovation is good only if it helps to save lives
- B) human symbols can be used to overcome cognitive flaws
- C) cyclists are less visible at night and therefore need a special device for their night rides
- D) a smiley face helps us switch the autopilot off
- E) more people would ride a bike if cycling was less dangerous

2831 Answer the following question concerning PASSAGE HA 23**What does Crawford Hollingworth do for a living?**

- A) He invents market strategies for companies basing himself on his knowledge of consumers' way of thinking
 - B) He is an expert in behavioural psychology and semiotics, and works as a consultant for both academics and companies
 - C) He is an academic behavioural psychologist who researches into consumers' brains
 - D) He is a psychologist and also campaigns for cyclists' safety
 - E) He is an environmental activist who tries to promote cycling, along with a green lifestyle, among people thanks to his knowledge of consumers' way of thinking
-

2832 Answer the following question concerning PASSAGE HA 23**What do Brainy Bike Lights look like?**

- A) They are just a couple of super-bright LED lights – a red one and a white one – in the shape of a human figure on a bike
 - B) They are a couple of LED bike lights – a red one at the front and a white one at the rear – displaying the image of a person on a bike thanks to a black stencil
 - C) They are a couple of super-bright LED lights that blink to indicate that a person on a bike is ahead or behind your car
 - D) They are a couple of LED bike lights – a white one at the front and a red one at the rear – displaying the image of a person on a bike thanks to a black stencil
 - E) None of the other answers is correct
-

2833 Answer the following question concerning PASSAGE HA 23**What is the passage about?**

- A) The importance of consumers' psychology for selling several kinds of products
 - B) The benefits and risks of cycling in big cities such as London
 - C) The dangers of cycling in big cities such as London
 - D) The power of symbols to overcome our cognitive flaws
 - E) The invention of a set of bike lights that are expected to enhance cyclists' safety
-

PASSAGE HC 17

Read the passage and answer the related questions on the basis of its contents and not of any knowledge you might have of its subject.

Globo is Brazil's largest broadcast network and the country's most powerful company. It started in Rio de Janeiro with a newspaper, *O Globo*, in 1925, and was built by a visionary and long-lived media titan, Roberto Marinho, who died in 2003 at the age of 98. As it grew in the television age, Globo has arguably done as much as any politician to unite a vast and diverse country, from the Amazonian jungle to the heart of coffee-growing country, from wretched *favelas* on the urban periphery to the fancy boutiques of downtown Rio and São Paulo. Today it is controlled by Mr Marinho's three sons and towers over Brazil like Rio's Christ the Redeemer statue. It is the largest media company in Latin America, with revenues that reached 14.6 billion reais (\$6.3 billion) in 2013, having climbed impressively over the past decade.

Globo counts pay-TV stations, magazines, radio, film production and newspapers as part of its empire, but most of its profits come from its broadcast network, which airs salacious *telenovelas*, or soap operas, that are always the talk of Brazil. In richer countries the habit of "appointment viewing" has declined with the spread of digital video recorders, but Brazilians still tune in devoutly for the three *telenovelas* that run each evening, six days a week.

Globo airs Brazil's snazziest and freshest shows, yet its business model feels decidedly old-fashioned. Its programmes are filmed on its own vast studio lot, called Projac, nestled among forested mountains on the edge of Rio. Actors and writers are on contract, just as they were in the early days of Hollywood. Workers stitch lavish costumes and build intricate sets on site. The *telenovela* format can be adapted to audience feedback, [1] and plots can be changed on the fly depending on what viewers like.

Not everyone is comfortable with Globo's good fortune. Critics are unsettled by the firm's share of advertising and audience. It controls everything from Brazilians' access to news to the market rates for journalists' salaries. Even entertainment shows can be remarkably influential. "Salve Jorge", a recent soap set in Turkey, prompted hordes of Brazilians to take holidays there. Its programmes also shape the national culture. This year it aired what it believes was the first gay kiss on a broadcast network. [...]

Internet use has taken off in Brazil, and will alter consumers' viewing habits over time. Today Brazil has more mobile phones than people, and penetration of pay-television has slowly crept up to around 28% of households. In April Brazilians spent around 12.5 hours a week on online social networks from their desktop computers, more than double the global average, according to comScore. For the first time in Globo's history it is facing serious competition for advertisers and audience. Increasingly, Brazil's advertising market will be a contest between the two Gs: Globo and Google.

(from: "Brazil's biggest media firm is flourishing with an old-fashioned business model", *The Economist*)

2834 Answer the following question concerning PASSAGE HC 17

What has declined in richer countries with the spread of digital video recorders?

- A) The habit of meeting with friends or family to watch a tv series
- B) The habit of watching soap operas
- C) The habit of watching a TV series at a set day and time
- D) The habit of talking about TV series
- E) All the other answers are correct

2835 Answer the following question concerning PASSAGE HC 17

Why is Globo's business model said to be old-fashioned?

- A) They still shoot their *telenovelas* outside town, wasting a lot of money on sets
- B) As a media company, Globo is not yet considering the potential of the Internet
- C) The *telenovela* format, which can be adapted to viewers' feedback, is very old-fashioned
- D) At Globo they rely on free TV rather than on pay-TV, which is doing much better everywhere else
- E) Globo owns the studios but actors and writers are on contract, while large amounts of money are spent on costumes and sets

2836 Answer the following question concerning PASSAGE HC 17

Which of the following is NOT a branch of Globo's business?

- A) Radio stations
- B) Advertising
- C) Newspapers
- D) A broadcast network
- E) Pay-TV stations

2837 Answer the following question concerning PASSAGE HC 17**Which of the following statements is correct?**

- A) Globo is now interested in pay-television and social networks
 - B) Globo produces soap operas and tv shows, but not films
 - C) Globo underwent a remarkable growth over the last ten years
 - D) Brazilians' taste for *telenovelas* is declining as people discover the Internet. However, it will take some time before the Web takes over
 - E) The founder of Globo was also a politician, and did much to unite such a vast and diverse country as Brazil
-

2838 Answer the following question concerning PASSAGE HC 17**According to the author, why do some criticise Globo?**

- A) Their shows are fresh and snazzy, but their production model is very old-fashion
- B) They haven't been able to keep up with the latest technologies, and Google is now gaining more and more market shares in terms of advertising
- C) Their share of audience and advertising is too large, and their influence on Brazilian culture and the news sector is too great
- D) They haven't been able to understand that watching habits are changing
- E) The company is controlled by the founder's three sons, which is a very old-fashioned business model

PASSAGE HC 22

Read the passage and answer the related questions on the basis of its contents and not of any knowledge you may have of its subject.

A controlled study using functional Magnetic Resonance Imaging (fMRI) brain imaging reveals a possible biological link between early musical training and improved executive functioning in both children and adults, report researchers at Boston Children's Hospital. The study uses fMRI of brain areas associated with executive function, adjusting for socioeconomic factors.

Executive functions are the high-level cognitive processes that enable people to quickly process and retain information, regulate their behaviours, make good choices, solve problems, plan and adjust to changing mental demands.

"Since executive functioning is a strong predictor of academic achievement, even more than IQ, we think our findings have strong educational implications," says study senior investigator Nadine Gaab, PhD, of the Laboratories of Cognitive Neuroscience at Boston Children's. "While many schools are cutting music programs and spending more and more time on test preparation, our findings suggest that musical training may actually help to set up children for a better academic future."

While it's already clear that musical training relates to cognitive abilities, few previous studies have looked at its effects on executive functions specifically. [...] Gaab and colleagues compared 15 musically trained children, 9 to 12, with a control group of 12 untrained children of the same age. Musically trained children had to have played an instrument for at least two years in regular private music lessons. The researchers similarly compared 15 adults who were active professional musicians with 15 non-musicians. Both control groups had no musical training beyond general school requirements.

Since family demographic factors can influence whether a child gets private music lessons, the researchers matched the musician/non-musician groups for parental education, job status (parental or their own) and family income. The groups, also matched for IQ, had to take a battery of cognitive tests, and the children also had fMRI of their brains during testing.

On cognitive testing, adult musicians and musically trained children showed improved performance on several aspects of executive functioning. On fMRI, the children with musical training showed increased activation of specific areas of the prefrontal cortex during a test that made them switch between mental tasks. These areas, the supplementary motor area, the pre-supplementary area and the right ventrolateral prefrontal cortex, are known to be linked to executive function.

[...] The researchers note that children who study music may already have executive functioning abilities that somehow attract them to music and predispose them to go on their lessons. To establish that musical training influences executive function, and not vice versa, they hope to perform additional studies that follow children over time, assigning them to musical training at random.

(from: "Brain imaging shows enhanced executive brain function in people with musical training", in *Science Daily*)

2839 Answer the following question concerning PASSAGE HC 22

Which of the following statements concerning the experiment dealt with in the text is correct?

- A) One of the control groups included adults and the other children. Members of both groups had never received any musical training whatsoever
- B) No musically trained children with a one-year musical training were chosen for the experiment
- C) The experiment was based on observation of a very large number of individuals divided into four groups
- D) The musically trained children chosen for the experiment did not need to play an instrument: they only needed a two-year musical training of any kind
- E) All the children with musical training chosen for the experiment had been training to become professional musicians for at least two years

2840 Answer the following question concerning PASSAGE HC 22

What differences did the study find between the two groups?

- A) The research team found significant differences between the two groups of children in terms of executive functions, while the groups of adults performed more or less the same as each other
- B) Children with musical training performed better in all kinds of tests and showed increased activation of specific areas of the prefrontal cortex during a test that made them switch between mental tasks, while adults displayed no sensible difference in terms of fMRI
- C) Both children and adults who had received musical training showed improved performance on several aspects of executive functioning and increased activation of specific areas of the prefrontal cortex during a test that made them switch between mental tasks
- D) Children with no musical training performed better in several kinds of cognitive tests and showed increased activation of specific areas of the prefrontal cortex during a test that made them switch between mental tasks
- E) Children with no musical training performed worse in several kinds of cognitive tests and showed lower activation of specific areas of the prefrontal cortex during a test that made them switch between mental tasks

2841 Answer the following question concerning PASSAGE HC 22**According to Nadine Gaab, executive function:**

- A) can indicate whether an individual will be successful in his/her studies
 - B) is closely connected to IQ
 - C) is extremely useful for university students only
 - D) could be improved in schools, if teaching staff were made aware of its importance and its close relationship with music, and thus continued offering music courses to children
 - E) all the other answers are correct
-

2842 Answer the following question concerning PASSAGE HC 22**What are executive functions?**

- A) High level cognitive processes that enable people, among other things, to learn music
 - B) High level cognitive processes that enable people to learn a reasoning and study method that allows them to be successful at university
 - C) Cognitive processes closely intertwined with IQ
 - D) High level cognitive processes that enable people, among other things, to learn
 - E) High level cognitive processes that enable people to learn proper socialisation and properly function as successful members of society
-

2843 Answer the following question concerning PASSAGE HC 22**What factors had to be taken into account by the research team as they could have influenced the study's findings?**

- A) Family background and the possible influence of executive function on musical training
 - B) Family background and the possible influence of musical training on executive function
 - C) Demographic factors and the size of the prefrontal cortex
 - D) IQ and demographic factors
 - E) Pre-academic training and the activation of specific areas of the prefrontal cortex
-

PASSAGE HC 36

Read the passage and answer the related questions on the basis of its contents and not of any knowledge you might have of its subject.

Tibetan Plateau is often referred to as the Roof of the World. An average elevation in excess of 4,500 metres leaves most people struggling in the oxygen-poor air, but for the area's Tibetan inhabitants life there is as natural as, well, breathing. Now scientists think they discovered exactly how the Tibetans cope, tracing a specialized gene found in modern-day inhabitants of the region back to one of humanity's extinct ancestors – an ancient species known as the Denisovans.

The gene is called EPAS1 and it helps regulate the body's responses to low-oxygen atmosphere. When most humans are exposed to these conditions their bodies start producing extra red blood cells to circulate more oxygen around the body. However, this creates thicker blood that's harder to pump, exacerbating a range of problems from hypertension to the risk of strokes.

EPAS1 stops this 'overreaction', leading some scientists to refer to it as 'the athlete gene'. Humans that do have it tend to perform better at certain aerobic-intensive sports but for Tibetans it's just part an ordinary part of their genetic makeup. In the high altitude regions of the Tibetan Plateau air contains 40 per cent less oxygen.

So where did EPAS1 come from? A new study from the University of Berkeley published in *Nature* suggests it comes from the Denisovans – an early human ancestor that was only discovered four years ago when scientists sequenced the DNA from a finger bone found in a Siberian cave.

Denisovans are thought to have been knocking around on the earth for tens of thousands of years longer than modern humans. When the two species bred together some of our ancestors inherited the EPAS1 gene and were able to thrive in the Tibetan plateau – a much faster method of adapting to the high altitude environment than waiting around for evolution to kick in.

The researchers also compared the Tibetan genome with that of the neighbouring Han Chinese, and found that only 1 in 20 of the Han possessed EPAS1. "They are extremely differentiated from each other, which is something you only see with very strong or very recent selection," Rasmus Nielsen, an author of the study, says.

The discovery confirms that contrary to past theories that our ancestor simply out-survived and out-lived more 'archaic' humans such as Neanderthals and Denisovans, the interbreeding of the different species helped modern humans to survive and adapt in different environments around the world.

("Tibetans inherited 'super gene' from extinct humans to survive life on the Roof of the World", by James Vincent, *The Independent*)

2844 Answer the following question concerning PASSAGE HC 36

According to the passage, where was the Denisovan discovered?

- A) In Siberia
- B) Near the caves where the Neanderthals lived
- C) None of the other answers is correct
- D) Between China and Tibet, by comparing the DNA of Tibetans with that of the Han Chinese
- E) On the Tibetan Plateau

2845 Answer the following question concerning PASSAGE HC 36

What happens to most humans when they are exposed to low-oxygen atmosphere?

- A) Their blood becomes thicker due to extra production of red blood cells, which worsens a range of problems such as hypertension or risk of strokes
- B) They need more oxygen, so the body starts producing more red blood cells, but this results in low blood pressure or even worse problems such as strokes
- C) They start producing more red blood cells because they need more oxygen, and this causes the blood to become more liquid, which, in turn, ends up aggravating heart problems
- D) They need more oxygen, so the body produces fewer red blood cells, which causes heart problems
- E) Their bodies react as if they were engaged in a challenging sport competition, with the production of extra white blood cells and the increase of blood pressure

2846 Answer the following question concerning PASSAGE HC 36**Why does this discovery confirm that past evolution theories were wrong?**

- A) It shows that the human genome is much more differentiated than it was previously thought, and that ancient human groups inhabited far wider areas than it was expected
 - B) It shows that humans could survive and adapt in different environments thanks to crossbreeding between Neanderthals and Denisovans rather than by out-surviving them
 - C) It shows that humans could survive and adapt in different environments thanks to hybridisation
 - D) It shows that differentiation between genomes of different human groups is much more recent than it was thought
 - E) It shows that our ancestors could out-survive and out-live more archaic humans thanks to crossbreeding
-

2847 Answer the following question concerning PASSAGE HC 36**Why is EPAS1 sometimes called 'the athlete gene'?**

- A) It is typical of athletes who show great performances at certain anaerobic-intensive sports
 - B) The article does not provide an answer
 - C) Humans who have it tend to perform better at some aerobic-intensive sports
 - D) It is typical of Tibetans, who have been discovered to be extremely good athletes
 - E) Athletes who perform better are those who are used to low-oxygen atmosphere, just like Tibetans
-

2848 Answer the following question concerning PASSAGE HC 36**Which of the following statements concerning Denisovans is true?**

- A) None of the other statements is correct
 - B) They became extinct ten thousand years ago
 - C) They lived ten thousand years ago
 - D) They became extinct ten thousand years before modern human beings appeared
 - E) They lived ten thousand years earlier than modern human beings
-

PASSAGE HC 37

Read the passage and answer the related questions on the basis of its contents and not of any knowledge you might have of its subject.

A blood test to detect which people with failing memories will go on to develop Alzheimer's disease has been developed by British scientists, who hope it may prove a breakthrough in the hunt for a cure. The test can predict the onset of Alzheimer's in the next 12 months in people with memory problems with an accuracy of 87%. It could cost £100-£300 and be available within two years.

[...] The new test is aimed at people with the kind of memory loss called mild cognitive impairment, 60% of whom will go on to develop dementia. Those are the people scientists now want to recruit into trials to prevent, or at least delay, the onset of Alzheimer's.

"Alzheimer's begins to affect the brain many years before patients are diagnosed with the disease," said Professor Simon Lovestone from King's College. "Many of our drug trials fail because by the time patients are given the drugs, the brain has already been too severely affected. A simple blood test could help us identify patients at a much earlier stage to take part in new trials and hopefully develop treatments which could prevent the progression of the disease."

The researchers investigated 26 proteins which have all been linked to Alzheimer's in the past. They took blood samples from 1,148 individuals, of whom 476 had Alzheimer's disease, 220 had mild cognitive impairment and 452 were elderly but without dementia. They found that 16 of the proteins were associated with brain shrinkage either in mild cognitive impairment or Alzheimer's.

In a second set of tests, they identified 10 proteins whose presence could predict, with a reasonable degree of accuracy, whether people with mild cognitive impairment would develop Alzheimer's within a year. Larger trials involving 5,000 to 10,000 people are still needed, say the scientists. "The next step will be to validate our findings in further sample sets, to see if we can improve accuracy and reduce the risk of misdiagnosis, and to develop a reliable test suitable to be used by doctors," said Lovestone.

Other scientists were enthusiastic about the potential for the test to aid drug discovery, but cautious about its potential use for diagnosing the disease in otherwise healthy people.

("Blood test breakthrough in search for Alzheimer's cure", by Sarah Boseley, *The Guardian*)

2849 Answer the following question concerning PASSAGE HC 37

What is the passage about?

- A) A blood test has been developed by British scientists to determine whether an individual is likely to develop Alzheimer's disease in the next two years, based on a number of proteins
- B) A new blood test developed in Britain to predict the onset of Alzheimer's disease, which is expected to be on sale for everyone to buy it within twelve months
- C) A group of British researchers has just invented a blood test that could predict the onset of Alzheimer's disease in up to 60% of people at risk
- D) A new blood test that has been developed in Britain, which could be able to identify people who risk to develop Alzheimer's disease over the next year
- E) A blood test to detect signs of Alzheimer's before the onset of the disease, thanks to 36 proteins that have been associated with it

2850 Answer the following question concerning PASSAGE HC 37

Why did Professor Simon Lovestone and his team focused on the blood test rather than on developing a cure for Alzheimer's disease?

- A) Those who suffer from Alzheimer's generally start taking drugs when their brains are too damaged, while an early diagnosis would benefit patients and potentially help researchers develop new drugs
- B) Doctors know that those who suffer from mild cognitive impairment are extremely likely to develop Alzheimer's, but such a condition is still largely underdiagnosed
- C) Professor Simon Lovestone had already worked on treatments for people who had been diagnosed with Alzheimer's disease and had not been able to treat them successfully, so he wanted to try a new route to tackle the disease
- D) Patients are generally diagnosed with the disease when their brain is too severely affected, but an early diagnosis would no doubt stop the progression of the disease
- E) Alzheimer's disease only concerns those who suffer from mild cognitive impairment, so it is thought to be more economically reasonable to focus on them rather than developing ineffective drugs to cure people when their brains are too severely damaged

2851 Answer the following question concerning PASSAGE HC 37**How many individuals were needed for the protein study?**

- A) The precise number cannot be found within the text
 - B) A little less than 2,000
 - C) Between 5,000 and 10,000
 - D) A little less than 1,200
 - E) 1,148 healthy adults, 476 Alzheimer's patients, 220 people suffering from mild cognitive impairment, and 452 elderly in good cognitive conditions
-

2852 Answer the following question concerning PASSAGE HC 37**Why are other scientists cautious about the new blood test?**

- A) They don't see a great potential in terms of aiding drug discovery
 - B) None of the other answers is correct
 - C) They are afraid healthy people could buy it without being able to correctly interpret the result
 - D) They fear it could increase the risk of misdiagnosis
 - E) They don't think it will be available in two years for doctors to use it
-

2853 Answer the following question concerning PASSAGE HC 37**Which of the following statements is FALSE?**

- A) 10 proteins have been identified as those that can predict whether people with mild cognitive impairment will develop Alzheimer's within 12 months
 - B) The test can only predict the onset of Alzheimer's in people who suffer from mild cognitive impairment, so the researchers are now trying to develop a test to be used on healthy people
 - C) The researchers who developed the blood test now want to recruit people with mild cognitive impairment in order to develop treatments which could prevent the progression of the disease
 - D) The accuracy of the test is close to 90%
 - E) Doctors could be already using the new test in less than three years
-

PASSAGE HC 38

Read the passage and answer the related questions on the basis of its contents and not of any knowledge you might have of its subject.

According to scientists, climate change could cause the ginger gene to come to an end. The ginger gene, thought to be a response to cloudy weather in Scotland (where 13 per cent of the population have red hair as compared to one to two per cent globally), may have its days numbered as warmer, clearer days are predicted.

Dr Alastair Moffat, managing director of Galashiels-based ScotlandsDNA, explained, "we think red hair in Scotland, Ireland and in the North of England is adaptation to the climate. I think the reason for light skin and red hair is that we do not get enough sun and we have to get all the vitamin D we can."

Scientists explain that the resulting gene mutation which results in red hair and pale skin and naturally causes heightened sensitivity to light and a more susceptible skin cell DNA in terms of sun damage and cancer risk, would be phased out by natural evolution as temperatures rise and we see clearer skies; "this will affect the gene," added Moffat.

Another scientist said he thought the "regressive gene was already dying out. Climate change could see a decline in the number of people with red hair in Scotland. Red hair and blue eyes are not adapted to a warm climate". But he added, "it would take many hundreds of years for this to happen."

Despite the influence of red-haired fashion icons, including Florence Welch and Christina Hendricks, the beauty industry has also reported a decline in the power of ginger. Admittedly from a bottle, both L'Oreal and John Frieda report that sales of DIY dye kits for red-heads are down.

A spokesperson for John Frieda told us, "red heads make up just under 10 per cent of total home colour sales, and that in itself is a smaller proportion of total sales this year versus last year, and also the year before." Francesca Attwood, colourist at John Frieda salons commented, "as a salon we've seen a drop in people coming asking red and ginger shades too. It's happening less and less and we also haven't really seen a general trend for those colours either."

Seems the future isn't ginger.

("Could climate change be causing ginger hair extinction?", Katy Young, *The Telegraph*)

2854 Answer the following question concerning PASSAGE HC 38

How many people have red hair at a global level?

- A) Between one and two percent
- B) 10%
- C) 1.2%
- D) 13%
- E) More than two percent

2855 Answer the following question concerning PASSAGE HC 38

What is the passage about?

- A) According to scientists ginger hair is going to disappear from Scotland, Ireland and Northern England because of climate change. Probably this won't affect other locations, but the world of fashion has already stated that red hair is no longer trendy
- B) Ginger hair and warm climate don't get along very well with each other, so the former is expected to disappear as the climate gets warmer. While scientists are now focusing on when it is going to happen, women have already decided that red hair is not that good anyway
- C) Red hair, which is typical of the British isles, is going to become extinct in a very short time if the weather keeps getting warmer and warmer and women stop dyeing their hair red
- D) Scientists say that the gene that is responsible for red hair is going to disappear in a hundred year or so due to climate change. On the other hand, ginger hair is already disappearing from beauty salons and supermarket shelves because women don't like it anymore
- E) Scientists think the gene that's responsible for red hair is going to become extinct due to climate change. But ginger is also declining in terms of women's hair colour preferences

2856 Answer the following question concerning PASSAGE HC 38**Why did the Scottish develop the ginger hair gene, according to scientists?**

- A) Fair skin and red hair are better if you live in a cold and cloudy climate, because they help you absorb more light and, thus, more vitamin D
- B) Scotland's weather is cold and cloudy, which means people do not spend a lot of time in the open air. Therefore, they don't need to be protected against the sun
- C) They never spent much time in the sun, so they never developed a specific sensitivity to sun light
- D) Living in cloudy weather, the Scots never needed any vitamin D, which is related to protection from the sun and dark hair and skin
- E) The Scottish always lived in a cold climate, so they always absorbed vitamin D only from food rather than from the sun, and this is why they never needed dark skin and dark hair, which are better in terms of absorption of vitamin D

2857 Answer the following question concerning PASSAGE HC 38**Which of the following statements is correct?**

- A) Dr Alastair Moffat thinks that the regressive 'ginger' gene is already dying out
- B) The author of the passage is probably intrigued by the subject because she is red-headed, too
- C) All the other statements are correct
- D) People with red hair and light skin are more at risk of developing skin cancer as a result of sun exposure than people with dark hair and dark skin
- E) The combination of red hair and light skin is thought to have originated in Scotland

2858 Answer the following question concerning PASSAGE HC 38**What does the author say about red hair and fashion?**

- A) A spokesperson for John Frieda said that less than 10 people out of 100 dye their hair red at home
- B) At John Frieda salons there was never a trend for red and ginger shades
- C) There are fewer red-headed fashion icons than it used to be only a few years ago, and this is probably why women don't like red hair anymore
- D) Only two beauty brands lament a decline in the sale of red hair dye, while it seems to be a permanent fashion icon for other brands
- E) Both L'Oreal and John Frieda report that sales of DIY dye kits for red-heads have been decreasing by around 10% each year over the last few years

PASSAGE HC 57

Read the passage and answer the related questions on the basis of its contents and not of any knowledge you may have of its subject.

Powerful and Coldhearted

"I FEEL your pain". These words are famously associated with Bill Clinton, who seemed to ooze empathy. A skeptic might wonder whether he truly was distressed by the suffering of Americans. Can people in high positions of power easily empathize with those beneath them? Psychological research suggests the answer is no. Studies have shown that people who are in high positions of power (or who are induced to feel powerful) are less able to adopt the perspective of other people, compared to people who are powerless (or are made to feel so).

For example, psychologist Michael Kraus found that, among employees of a public university, those who were higher in social class were less able to accurately identify emotions in photographs of human faces than were co-workers of a lower class.

Why does power leave people seemingly coldhearted? Some have suggested that powerful people don't attend well to others because they don't need them. We suggest a different, albeit complementary reason from cognitive neuroscience. On the basis of a study by Jeremy Hogeveen, we contend that when people experience power, their brains change how sensitive they are.

The human brain can be exquisitely attuned to other people, thanks in part to its so-called "mirror system". The mirror system is composed of a network of brain regions that become active both when you perform an action and when you observe someone else performing that action. Our brains appear to be able to resonate with others' actions, and this process may allow us to experience them ourselves.

In our study, we induced a set of participants to temporarily feel varying levels of power by asking them to write an essay about a moment in their lives. Some wrote about a time when they felt in charge, others about when they felt subordinate to others.

Next, the participants watched a video of a human hand repeatedly squeezing a rubber ball. While they watched, we assessed the degree of motor excitation occurring in the brain – a measure that is used to infer activation of the mirror system. This motor excitation was determined by the measurement of electrical muscle activation in the subject's hand. We sought to determine the degree to which the participants' brains became active during the observation of rubber ball squeezing, relative to a period in which they observed no action.

We found that for those participants who were induced to experience power, their brains showed no resonance with the actions of others; conversely, for those participants who were induced to powerlessness, their brains resonated quite a bit. In short, the brains of powerful people did not mirror the actions of other people. And when we analyzed the participants' essays, we found that the more power they expressed, the less their brains resonated. Power, it appears, changes how the brain responds to others.

Does this mean that the powerful are incapable of empathy? Hardly. This sort of manipulation cannot change empathic capability. So the bad news is that the powerful are, by default and at a neurological level, not motivated to care. But the good news is that they are, in theory, redeemable.

(By Michael Inzlicht & Sukhvinder Obhi, "The New York Times")

2859 Answer the following question concerning PASSAGE HC 57

According to the content of the passage, which of the following statements is FALSE?

- A) Presidents and celebrities actually have troubles understanding people who are socially beneath them
- B) Cognitive neuroscience can prove why powerful people might find it hard to empathize with someone else
- C) A number of studies have already shown that powerful people tend not to care for other people's needs
- D) Bill Clinton never managed to convince Americans he was really concerned for them
- E) The study dealt with in the passage is based on an experiment carried out on several individuals

2860 Answer the following question concerning PASSAGE HC 57

Which of the following statements is true?

- A) The results of cognitive neuroscience studies are completely different from those of other psychological researches
- B) Bill Clinton's speeches did not convey too much empathy, and yet he was a very well-loved President
- C) The "mirror system" works in the same way in all human minds
- D) According to some theories, people in high positions of power don't care for other people because they don't need them to reach their goals
- E) The participants in the study described in the passage were asked to write one single word

2861 Answer the following question concerning PASSAGE HC 57**The article aims at showing that:**

- A) a connection between power and indifference to others cannot be established
 - B) powerful people are easily manipulated, so anyone can convince them they should not care for other people
 - C) powerful people tend not to care for others, but this attitude might be change
 - D) powerful people will never be able to feel empathy with others
 - E) someone's attitude always changes as soon as they think they have some power
-

2862 Answer the following question concerning PASSAGE HC 57**Michael Kraus found that:**

- A) his employees are unable to accurately describe human faces
 - B) employees of public universities are only reliable if they come from a high social class
 - C) employees of public universities are generally unreliable
 - D) those who belong to a low social class tend to be more able to accurately identify emotions in photographs of human faces than those who are higher in social class
 - E) employees of public universities are only reliable if they come from a low social class
-

2863 Answer the following question concerning PASSAGE HC 57**Participants in the study described in the passage were asked to:**

- A) look at someone squeezing a rubber ball
 - B) repeatedly squeeze a rubber ball
 - C) watch a film and then write a paper about the emotions the video caused them to feel
 - D) write a paper about a moment in their lives and watch a video
 - E) look at someone writing
-

2864 Answer the following question concerning PASSAGE HC 57**What is "motor excitation"?**

- A) Hand movements taking place when the brain is inactive
 - B) The specific movement caused by the excitement an individual is feeling
 - C) A measure that is used to determine activation of the mirror system, and therefore the level of empathy that the brain can achieve
 - D) An individual's ability to be involved in something that is occurring around him or her
 - E) The excitement aroused in someone's brain when he or she is watching something interesting
-

2865 Answer the following question concerning PASSAGE HC 57**The mirror system:**

- A) gets activated both when we perform an action and when we watch someone elase performing it. In the latter case, it makes us experience what it feel to perform that action
 - B) gets activated when we perform an action and allows us to fully experience it
 - C) gets activated when we watch someone performing an action and it helps us get closer to him or her
 - D) makes powerful people feel even stronger than they are
 - E) makes weak people feel pity for others
-

2866 Answer the following question concerning PASSAGE HC 57**The title of the article suggests that:**

- A) the poor are rarely kind-hearted
 - B) powerful people are often kind-hearted
 - C) sometimes power prevents people from being generous
 - D) powerful people are naturally coldhearted
 - E) powerful people tend to have low blood pressure
-

2867 Answer the following question concerning PASSAGE HC 57

Only one of the following hypotheses on why powerful people might not care for others is NOT clearly stated in the article. Which?

- A) They find it hard to adopt other people's point of view
- B) In a sense, power changes their way of thinking
- C) They are not motivated to take care of those in need
- D) They are too focused on themselves to notice those who are around them
- E) They don't care for other because they don't need them

2868 Answer the following question concerning PASSAGE HC 57

According to the result of the study, should we blame people in high positions of power if they prove not to care for us?

- A) Only if we are sure they will never change their mind
- B) Only if they exaggerate in this attitude
- C) Sure
- D) No, we are not, as long as they don't pretend they do care for us, as Bill Clinton used to
- E) Not really

PASSAGE HC 77

Read the passage and answer the related questions on the basis of its contents and not of any knowledge you might have of its subject.

For decades, health experts have urged us to step away from butter, cheese and meat. The saturated fat in these foods, they warned, would clog our arteries and raise our risk of heart disease and stroke. In fact, the American Heart Association now advises limiting saturated fat intake to no more than five to six percent of total calories, meaning if you top your sandwich with two slices of cheddar, you'll probably max out for the day. But is it really as dangerous as we've been led to believe?

The short answer: it's complicated. A recent meta-analysis (which examines many previous studies and tries to draw broader conclusions) found that people who ate more saturated fat did not develop heart disease more often than those who ate less. Although some foodies have interpreted this to mean "butter is back," many health experts say it's still smart to be cautious.

"Right now we have more questions than answers," says Marisa Moore, a spokesperson for the Academy of Nutrition and Dietetics and a professor at Georgia State University. She says that, although the authors looked at numerous studies, the American Heart Association considers "thousands" before issuing guidelines. "Polyunsaturated and monounsaturated fat have been shown to lower cholesterol levels," says Moore. "There's no evidence that saturated fat helps us in any way."

Cardiologist Stacey Rosen, M.D., vice president of the Katz Institute for Women's Health at North Shore-LIJ Health System, agrees. "This report does not in any way suggest that you can eat red meat, butter and cheese in excess without consequences," she says. Rosen explains that while a quick glance at the headlines might make it seem like cutting back on saturated fat isn't important, you have to consider what people are eating in place of it. Many Americans, she says, simply load up on carbs – which is also dangerous. "Increased intake of carbohydrates can have a negative effect on heart health by increasing 'bad' LDL cholesterol levels," warns Rosen. "It can also lead to weight gain and pre-diabetes."

So what's the takeaway? Forget an all-or-nothing approach when it comes to specific nutrients and just aim for a balance of mostly healthy food. "A taste of butter is fine, but don't put it on your toast every morning," says Moore. Both she and Rosen are fans of the Mediterranean diet, which emphasizes fruit, vegetables, fish, whole grains and olive oil. "Healthy eating can decrease your risk of heart disease and many forms of cancer," says Rosen. "It's never too early to start making good choices."

("Saturated Fat: Is It Really That Bad for You?", by Barbara Brody, "Dailyburn.com")

2869 Answer the following question concerning PASSAGE HC 77

According to the passage, which of the following statements is FALSE?

- A) Two slices of cheddar cheese likely account for 100% of the daily saturated fat intake recommended by the American Heart Association
- B) We have been warned of the dangers of saturated fat consumption for many years
- C) Butter, cheese and meat contain saturated fats
- D) The American Heart Association is suggesting that we eliminate all fats from our daily diet
- E) The risk of heart disease and stroke increases if we eat too much meat and butter

2870 Answer the following question concerning PASSAGE HC 77

The meta-analysis dealt with in the text found that:

- A) butter consumption should actually be encouraged
 - B) people eating much saturated fat are not necessarily likely to develop heart problems more often than people who don't
 - C) people regularly eating saturated fats have the same chance of developing a heart disease as people who avoid them
 - D) saturated fats are actually healthier than polyunsaturated fats
 - E) small amounts of saturated fat may help us lower our cholesterol levels
-

2871 Answer the following question concerning PASSAGE HC 77

Which of the following is NOT a likely consequence of a diet based on excessive carbohydrate intake?

- A) Overweight
 - B) Increase in LDL cholesterol
 - C) Risk of diabetes
 - D) Heart problems
 - E) Stroke
-

2872 Answer the following question concerning PASSAGE HC 77

The text ultimately concludes that:

- A) the Mediterranean diet is the healthiest diet, but it can lead to weight gain due to the presence of carbohydrates
 - B) fruits, vegetables, cheese and olive oil are a must for a healthy diet
 - C) a balanced nutrition limiting fats and focusing on healthier food is the ideal solution
 - D) only with the Mediterranean diet can we really reduce the risk of heart disease and stroke
 - E) eating butter every day will certainly lead to health problems in the long run
-

2873 Answer the following question concerning PASSAGE HC 77

Who are the "foodies" mentioned in the text (paragraph 2)?

- A) People who are never particularly hungry, yet appreciate gourmet food
 - B) People who mostly eat in fast food restaurants
 - C) People who simply love eating
 - D) Butter addicts
 - E) People who hate butter
-

PASSAGE HC 78

Read the passage and answer the related questions on the basis of its contents and not of any knowledge you might have of its subject.

You've tried so hard to be healthy. You watch your calories, exercise, and always toss out the yolks when you make your veggie omelet. Well, it may be time to reconsider. Whole eggs don't raise your risk of heart disease – in fact, it may be worse for your health to not eat them.

Egg yolks, along with other sources of saturated fat and cholesterol, came under fire in the wake of research by Nikolai Anichkov at the turn of the 20th century. Anichkov fed rabbits pure cholesterol and noted that their arteries clogged up with plaque, leading to a hypothesis that cholesterol promotes heart disease. But since then, there have been questions raised about how closely the two are related.

Nevertheless, the findings gave rise to a witch hunt that demonized foods high in fat and cholesterol.

Thankfully, more concrete findings have come to light. In 2010, "The American Journal of Clinical Nutrition" published a meta-analysis – the collected findings of 21 different studies – which stated that "saturated fat was not associated with an increased risk of coronary heart disease, stroke or coronary vascular disease."

Earlier this year, "Time Magazine" reversed the argument it made in a 1984 cover story claiming eggs and other high-fat foods were dangerous, and even encouraged readers to eat butter over margarine.

So what is the real cause of heart disease? Many nutritionists suggest it may be the inflammation caused by "chronic stress levels, and the overconsumption of vegetable oils and processed carbohydrates." In other words: "Limit foods that come in boxes and bags."

Meanwhile, if you've been avoiding egg yolks, you've been missing out on a world of good nutrition. Apparently, they're a great source of vitamin A, which is good for skin, B vitamins for energy, and choline, which supports brain health, muscles, and is necessary for a healthy pregnancy. The saturated fat in yolks is also necessary for hormone production and the body's absorption of vitamins and minerals.

As long as you control your overall calories, whole egg consumption won't cause weight gain, despite its fat content. However, if you're trying to hit certain macronutrient numbers for a diet, or just want to restrict calories, having a few white-only eggs can be appropriate. When in doubt, check in with a nutritionist to see how well your current food choices stack up against your health and fitness goals.

("Egg Whites or Whole Eggs: Which Are Healthier?", from *Eat The Yolks* by Liz Wolfe)

2874 Answer the following question concerning PASSAGE HC 78

The research by Nikolai Anichkov:

- A) tested how much cholesterol intake we can bear
- B) led to the death of dozens of rabbits
- C) was carried out on animals
- D) proved egg yolks are harmful for our arteries
- E) has never been questioned

2875 Answer the following question concerning PASSAGE HC 78

According to the text, why avoiding egg yolks may actually turn out to be harmful?

- A) They give you energy
- B) They keep hormone levels steady
- C) They help you watch your weight
- D) They contain choline, which is necessary during pregnancy and must be otherwise taken by means of pills
- E) They are an important source of vitamins

2876 Answer the following question concerning PASSAGE HC 78

According to the text, avoiding egg yolks could be useful:

- A) if your choline levels are high
- B) when you are cooking an omelet with vegetables
- C) to increase your intake of vitamin A
- D) for underweight people
- E) if you need to limit calorie intake and/or you are following a specific diet

2877 Answer the following question concerning PASSAGE HC 78

This year's "Time Magazine" article:

- A) is the sequel of a popular 1984 cover story
 - B) is the evolution of the magazine's 1984 cover story, and it somewhat proves its contents were wrong back then
 - C) reiterates what the same magazine stated in an article published in 1984
 - D) suggests that readers eat more butter and margarine
 - E) is based on a 2010 analysis by the "American Journal of Clinical Nutrition"
-

2878 Answer the following question concerning PASSAGE HC 78

According to nutritionists, there are many enemies to our heart health. Which of the following is NOT listed as such in the text?

- A) Eating ready, pre-packed meals
- B) Excessive stress
- C) Eating too many carbohydrates
- D) Eating whole eggs
- E) Eating too much margarine

PASSAGE HC 79

Read the passage and answer the related questions on the basis of its contents and not of any knowledge you might have of its subject.

African elephants can differentiate between human languages and move away from those considered a threat, a skill they have honed to survive in the wild, researchers said.

A study suggests elephants, already known to be intelligent creatures, are even more sophisticated than previously believed when it comes to understanding human dangers.

African elephants are the largest land animals on Earth and are considered a vulnerable species due to habitat loss and illegal hunting for their ivory tusks.

Researchers played recordings of human voices for elephants at Amboseli National Park in Kenya to see how they would respond.

Some of the voices were from local Maasai men, a group that herds cattle and sometimes comes into conflict with elephants over access to water and grazing space.

Other recorded voices were from Kamba men, who tend to be farmers or employees of the national park, and who rarely represent a danger to elephants.

Other voices tested on the elephants included female Maasai speakers and young boys.

All were saying the same phrase: "Look, look over there, a group of elephants is coming."

When elephants heard the adult male Maasai voices, they tended to gather together, start smelling with their trunks, and move cautiously away.

But when elephants heard females, boys, or male Kamba speakers, they did not show concern.

"The ability to distinguish between Maasai and Kamba men delivering the same phrase suggests that elephants can discriminate between languages," said Graeme Shannon. "It is very sophisticated what the elephants are doing. A lot of animals will take flight at just the general threat posed by people, but a smart animal doesn't do that," he continued.

"It is suggesting that elephants are capable of recognizing that if Maasai men are talking, they are not likely to be hunting because if they were hunting, they would be quiet."

Elephant groups with older matriarchs in their midst did best at assessing the threat from different speakers, further bolstering the presumed role of learning in the animals' behavior.

When it comes to recognizing people, elephants may not be alone in this ability. Other research has suggested that wild dolphins in Brazil have become so familiar with humans that they engage in cooperative hunting with artisanal fishermen.

Great apes, crows and prairie dogs have also been shown to differentiate between humans on some level.

A separate study showed elephants even have specific alarm calls for when humans are near, suggesting the relationship between people and elephants has reached a troubling point and that conservation efforts are more important than ever.

("Elephants can tell the difference between human languages", by Kerry Sheridan, AFP)

2879 Answer the following question concerning PASSAGE HC 79

According to the passage, which of the following statements about elephants is FALSE?

- A) They understand a few words of the language spoken by the Maasai tribes
- B) They are an endangered species
- C) They are even more clever than we thought they were
- D) They show a deep understanding of the dangers around them
- E) Their renowned ivory tusks represent a threat to their survival

2880 Answer the following question concerning PASSAGE HC 79

According to the study described in the text, why did elephants react differently when they heard recorded voices of Maasai men?

- A) They are used to seeing Maasai tribes close to them
- B) There is evidence that they clearly understand the Maasai language
- C) They understood the meaning of the sentence because it was stated very clearly
- D) They somewhat recognized that kind of voice belonged to potentially dangerous subjects
- E) They are used to seeing Kamba people around them, and only seldom do they get in touch with Maasai people

2881 Answer the following question concerning PASSAGE HC 79

What do animals such as apes and prairie dogs have in common with elephants?

- A) They are afraid of man
 - B) They can share the same habitat with man without any conflict
 - C) They show they are somewhat capable of distinguishing humans
 - D) They live in wild countries
 - E) They can be a threat to humans
-

2882 Answer the following question concerning PASSAGE HC 79

The text ultimately concludes that:

- A) elephants are not so scared of humans as they used to be
 - B) it is becoming difficult for men to get close to elephants
 - C) the elephants' ability to recognize human voices could be exploited to establish a worthy relationship with them
 - D) elephants are getting more and more afraid of humans
 - E) we should prevent the Maasai people from entering into conflict with the elephants
-

2883 Answer the following question concerning PASSAGE HC 79

According to the study described in the text, which kind of elephant is more likely to recognize different human voices and languages?

- A) Elephant cubs
 - B) Old male elephants
 - C) Old female elephants
 - D) Old male and female elephants
 - E) Young female elephants
-

PASSAGE HC 80

Read the passage and answer the related questions on the basis of its contents and not of any knowledge you might have of its subject.

In 2011, Peter Gibson, a professor of gastroenterology in Melbourne, Australia, published a study that found gluten, a protein found in grains like wheat, rye, and barley, to cause gastrointestinal distress in patients without celiac disease, an autoimmune disorder unequivocally triggered by gluten. Double-blinded, randomized, and placebo-controlled, the experiment was one of the strongest pieces of evidence to date that gluten intolerance is a genuine condition.

By extension, the study also lent credibility to the meteoric rise of the gluten-free diet.

But like any meticulous scientist, Gibson wasn't satisfied with his first study. His research turned up no clues to what might be causing subjects' adverse reactions to gluten. He resolved to repeat the trial with a level of rigor lacking in most research. Subjects would be provided with every single meal for the duration of the trial. Any and all potential dietary triggers for gastrointestinal symptoms would be removed, including poorly absorbed short-chain carbohydrates, known as FODMAPs.

37 subjects took part, all confirmed not to have celiac disease but whose gastrointestinal symptoms improved on a gluten-free diet. They were first fed a diet low in FODMAPs, then were given one of three diets for a week with either 16 grams per day of added gluten (high-gluten), 2 grams of gluten and 14 grams of whey protein isolate (low-gluten), or 16 grams of whey protein isolate (placebo). Each subject shuffled through every single diet and none ever knew what specific diet he or she was eating. After the main experiment, a second was conducted to ensure that the whey protein placebo was suitable.

Gibson found that each treatment diet, whether it included gluten or not, prompted subjects to report a worsening of gastrointestinal symptoms. Reported pain, bloating, nausea, and gas all increased over the baseline low-FODMAP diet. Even in the second experiment subjects reported a worsening of symptoms. The data clearly indicated that a nocebo effect, the same reaction that prompts some people to get sick from wind turbines and wireless internet, was at work here. Patients reported gastrointestinal distress without any apparent cause. Gluten wasn't the culprit; the cause was likely psychological. Participants expected the diets to make them sick, and so they did. The finding led Gibson to the opposite conclusion of his 2011 research:

"In contrast to our first study... we could find absolutely no specific response to gluten."

Instead, FODMAPS are a far more likely cause of the gastrointestinal problems attributed to gluten intolerance.

("Non-Celiac Gluten Sensitivity May Not Exist", by Ross Pomeroy)

2884 Answer the following question concerning PASSAGE HC 80

The 2011 study by Peter Gibson seemed to prove that:

- A) gastrointestinal problems are usually solved if we stop eating cereals
- B) only people affected by celiac disease suffer from gastrointestinal disorders
- C) gluten intolerance is a real problem that many people have to deal with
- D) everyone should follow a grain-free nutrition program
- E) gastrointestinal distress only affects people who are gluten intolerant

2885 Answer the following question concerning PASSAGE HC 80

What is the main reason why Peter Gibson decided to further investigate after his 2011 study?

- A) He realized his first study hadn't been rigorous enough
- B) He had no idea about the causes of the alleged gluten intolerance
- C) He is more precise than any of his colleague scientists and he is rarely happy with just one research over an issue
- D) The widespread gluten-free diet wasn't convincing and he wanted to try to stop its growing popularity
- E) Subjects hadn't been administered a sufficient variety of meals in his first study

2886 Answer the following question concerning PASSAGE HC 80

Which of the following statements about the people who took part in Gibson's second study is FALSE?

- A) None of the participants suffered from celiac disease
- B) All of the participants had gastrointestinal problems to some extent
- C) They all reacted in a similar way to the diets they were given
- D) They were all unaware of the kind of meal they were being given
- E) Nearly 30 people participated

2887 Answer the following question concerning PASSAGE HC 80

According to the text, how many different kinds of diet were people given during the second study?

- A) 4 identical diets
- B) 4 different diets
- C) 3 different diets
- D) 3 identical diets
- E) 2 different diets

2888 Answer the following question concerning PASSAGE HC 80

Why didn't the second study eventually confirm the hypothesis of the first one?

- A) Patients didn't report worsening symptoms when given a gluten-based diet
- B) Patients' responses didn't seem reliable enough to Gibson and his team
- C) Patients refused to follow the high-gluten diet, fearing their symptoms would worsen
- D) Patients didn't report different symptoms according to the different diets they were given
- E) Patients reported added psychological distress for the whole duration of the study

PASSAGE HC 81

Read the passage and answer the related questions on the basis of its contents and not of any knowledge you might have of its subject.

One core property of human languages is known as duality of patterning: meaningful linguistic units (such as words) break down into smaller meaningless units (sounds), so that the words "sap", "pass", and "asp" involve different combinations of the same sounds, even though their meanings are unrelated.

It's not hard to imagine that things could have been otherwise. We could have a language in which sounds relate to their meanings. But there are stark advantages to duality of patterning. Try inventing a lexicon of tens of thousands of distinct noises, all of which are easily distinguished, and you will probably find yourself wishing you could simply re-use a few snippets of sound in varying arrangements.

The dominant thinking until recently was that universal linguistic properties reflect genetic predispositions. Under this view, duality of patterning is much like an opposable thumb: it evolved within our species because it was advantageous, and now exists as part of our genetic heritage. We are born expecting language to have duality of patterning.

What to make, then, of the recent discovery of a language whose words are not made from smaller, meaningless units? Al-Sayyid Bedouin Sign Language (ABSL) is a new sign language emerging in a village with high rates of deafness in Israel. Words in this language correspond to holistic gestures.

ABSL provides fodder for researchers who reject the idea that there's a genetic basis for the similarities across languages. Instead, they argue, languages share certain properties because they all have to solve similar problems of communication under similar pressures, that reflect the limits of human abilities to learn, remember and perceive information. The challenge is to explain why ABSL is an outlier – if duality of patterning is the optimal solution to the problem of creating words, why hasn't ABSL made use of it?

One possible explanation is that the vocabulary of ABSL hasn't yet reached a critical mass that would force it into a more combinatorial system for word-creation.

The signs of ABSL, though, may be easier to learn because many of them are concretely related to the things they symbolize – for example, the sign for "lemon" resembles the motion of squeezing a lemon. Another lab study found that both large vocabularies and abstract symbols encouraged the birth of duality of patterning in artificial languages. Concreteness may be easier to achieve in a gestural language, simply because you can illustrate more ideas using your hands than by making sounds.

Researchers don't yet have a clear answer but systematic lab studies may help solve this puzzle, as may the evolution of ABSL itself.

("The Unusual Language That Linguists Thought Couldn't Exist", by Julie Sedivy)

2889 Answer the following question concerning PASSAGE HC 81

What is the "duality of patterning" dealt with in the text?

- A) The clear meaning conveyed by some sounds, as opposed to the lack of meaning of other sounds
- B) The languages' ability to convey a meaning through conventional vocabulary
- C) The manifold meanings that can be associated with one or more words
- D) The manifold meanings that can be associated with one sound
- E) The typical feature of languages, where words are formed by different combinations of sounds having no connection with their meanings

2890 Answer the following question concerning PASSAGE HC 81**Why is ABSL language so surprising to many linguists?**

- A) It doesn't make use of the duality of patterning, as all other known languages do
 - B) It is a little different from all the other commonly used sign languages
 - C) Its words remind us of holistic signs
 - D) It has an incredibly limited vocabulary
 - E) All of its signs clearly represent the meaning of the words they are portraying
-

2891 Answer the following question concerning PASSAGE HC 81**According to the text, why aren't languages based on sounds having a meaning?**

- A) This is certainly part of genetic evolution, so duality of patterning was the natural solution to be able to communicate easily
 - B) We are usually predisposed to duality of patterning
 - C) The number of known sounds wouldn't be enough to create a thorough vocabulary
 - D) It would be both less advantageous and more complicated
 - E) A language whose meanings are based on sounds would be too complicated to learn
-

2892 Answer the following question concerning PASSAGE HC 81**For researchers convinced that the features common to all languages do not result from a genetic predisposition, ABSL language is:**

- A) the only existing language that does not confirm their theory
 - B) a denial of their theory
 - C) the only way to prove their theories
 - D) a puzzle
 - E) a useful example and something to work on
-

2893 Answer the following question concerning PASSAGE HC 81**Which of the following is NOT a feature of Al-Sayyid Bedouin Sign Language?**

- A) It is used mainly by deaf people
 - B) It is still evolving
 - C) It is used in the Middle East
 - D) The signs it uses are deeply related to the things they represent
 - E) It has a rather developed vocabulary
-

PASSAGE HC 82

Read the passage and answer the related questions on the basis of its contents and not of any knowledge you might have of its subject.

Today (Monday, Sept. 15) is the beginning of National Hispanic Heritage Month. Undoubtedly, one of the topics that will be discussed in the media over the next 30 days is healthcare in the Latino community. Last year, for instance, CNN ran an article that discussed how Hispanics were less likely to seek out treatment for mental health issues, possibly because of a stigma that exists in the community.

Other sources offer more dire information. In an article titled "The Truth Behind Latino Health Disparities," George Washington University says that Hispanics suffer from obesity, HIV, and other conditions due to "less education, higher rates of poverty, unhealthy living conditions and environmental hazards." The U.S. government apparently believes that ethnic health disparities are a big enough issue to warrant their own bureaucracy: The Office of Minority Health.

Given the information available, one would predict that Hispanics have a shorter life expectancy than whites in America. But that's not true. The latest data reveals that the life expectancy at birth for Hispanics in the U.S. is the highest of all ethnic groups examined.

What is going on? How can Hispanics suffer from more health problems than whites, yet somehow live longer? There are at least two, non-mutually exclusive explanations:

1) Immigration, both legal and illegal. Notably, the life expectancy data is at birth. Quite likely, Hispanic immigrants are poorer and less healthy than Hispanics born and raised in the U.S. Furthermore, health studies often do not report immigration status, almost certainly due to political reasons. Yet, this matters. A person living illegally in the U.S. may be less likely to seek medical assistance out of fear of being deported.

2) Hispanics suffer from a lower quality of life. Quality of life is difficult to measure, but that doesn't mean epidemiologists haven't tried. Hispanics are likelier to report poorer overall health (e.g., more unhealthy days) than non-Hispanics. But once again, the data isn't broken down by immigration status.

Thus, it would be highly advisable to investigate how immigration status affects ethnic health disparities. But it probably will not.

In our current political environment, politicians tend to interpret all disparities among minorities as being the result of bias or discrimination. It is politically convenient, but the life expectancy at birth data for Hispanics suggests something other than social injustice. While "discrimination" is an easy answer, the trouble with easy answers is that they often come at the expense of correct ones.

("In U.S., Hispanics Live Longer than Others", by Alex B. Berezow, *QuickStats: Life Expectancy at Birth, by Sex and Race/Ethnicity*)

2894 Answer the following question concerning PASSAGE HC 82

According to the George Washington University article mentioned in the text, US Hispanics' health is:

- A) not an issue to worry about
- B) a top priority for the U.S. government
- C) very much at risk, also because of their poor living conditions
- D) the result of their carelessness
- E) generally fine, apart from HIV spreading

2895 Answer the following question concerning PASSAGE HC 82

Why are the latest life expectancy data so surprising?

- A) Hispanics' life span seems to be even shorter than expected
- B) Hispanics live in better conditions than other ethnic groups during the last stages of their life
- C) Hispanics seem to live longer than all other US ethnic groups, despite their health problems and their living conditions
- D) Hispanics' poor living conditions actually make them stronger and help them live longer than other ethnic groups
- E) Hispanics do not live less longer than other ethnic groups

2896 Answer the following question concerning PASSAGE HC 82

Why is immigration likely playing an important role in Hispanics' life expectancy data?

- A) Hispanics usually lie about their immigration status
 - B) Hospitals aren't recording data of Hispanics seeking medical assistance
 - C) None of the other answers is correct
 - D) More and more Hispanics are now born outside the USA
 - E) Data on illegal immigrants are almost impossible to collect
-

2897 Answer the following question concerning PASSAGE HC 82

According to the author of the article, what are US politicians like?

- A) They usually investigate into difficult matters, even though they could turn out to be inconvenient for them
 - B) They are not paying enough attention to the discriminations causing disparities
 - C) They shouldn't focus so much on minorities
 - D) They take too much time in finding an explanation to US social issues, and when they find it, it is rarely convincing
 - E) They do not bother to further investigate into difficult matters that could turn out to be inconvenient for them
-

2898 Answer the following question concerning PASSAGE HC 82

Which of the following data does NOT apply to Hispanics according to the text?

- A) They are struck by high obesity and HIV incidence rates
 - B) They are more educated, but usually poorer, than other ethnic groups
 - C) Those who were born and raised in the U.S. could be living in rather good conditions
 - D) Some of them may be living in a dangerous environment
 - E) They tend not to tackle mental disorders the way other ethnic groups do
-

PASSAGE HC 89

Read the passage and answer the related questions on the basis of its contents and not of any knowledge you might have of its subject.

These days it's nearly unfathomable to imagine a marathoner crossing the finish line and lighting up a cigarette. And even ordinary exercisers may subject themselves to dirty looks if they puff near their gym. But what if they're smoking an e-cigarette?

Introduced as a product with the potential to shield smokers from the dangerous effects of Marlboros, e-cigarettes are marketed as a way to get your nicotine fix without inhaling all that lung-blackening smoke that's been directly linked to cancer and heart disease.

But it turns out e-cigarette vapors may be full of lung irritants, chemicals with properties that could contribute to heart troubles down the road.

Here's the scoop on how this controversial device could impact your health and your workouts.

According to the U.S. Centers for Disease Control and Prevention (CDC), nearly 250,000 youths who had never before smoked tried e-cigs in 2013 — a threefold increase since 2011. Young and otherwise healthy people might be reaching for an electronic fix for numerous reasons, including the potential for nicotine to reduce appetite, boost mood or increase their heart rate.

Nicotine is also a stimulant, and has been shown to have a positive effect on endurance.

Yet, evidence is emerging indicating that e-cigarette vapors might not be all that innocent. We don't know what's in the e-cigarette vapors, because the manufacturers are not yet required to tell what's in the solution.

E-cigs may not contain real smoke, but they can still do a number on your lungs.

Digital smokes have also been called out by the American College of Allergy, Asthma and Immunology (ACAAI) as a potential cause of asthma attacks and allergies.

Allergies release inflammatory chemicals called histamines, which can make it difficult to breathe during a workout, and could even induce the onset of asthma symptoms.

Because the U.S. Food and Drug Administration does not yet regulate e-cigarettes, some brands are suspected to contain levels of nicotine significantly higher than what is found in an old-school pack of smokes.

In other words, perhaps we should think of smoking e-cigarettes the same way we think about eating cheeseburgers. Sure, they aren't linked as strongly to an increased risk of death as other tobacco products. But they're linked to some potentially dangerous health problems that could affect you down the road.

A recent study revealed that while secondhand exposure to e-cigarettes is likely less harmful than tobacco smoke, it still exposes bystanders to some levels of nicotine.

(from: "E-Cigarettes: The Side Effects Nobody Talks About", by Amanda Woerner for Life by DailyBurn)

2899 Answer the following question concerning PASSAGE HC 89

According to the text, how likely is it to see an athlete smoking a cigarette nowadays?

- A) Likely enough
- B) Quite likely
- C) Extremely unlikely
- D) Impossible
- E) More likely than ever

2900 Answer the following question concerning PASSAGE HC 89

What is the main reason why e-cigarettes started to be marketed?

- A) To eliminate the risk of cancer and heart disease directly associated with smoke
- B) To help cigarette addicts free themselves from the dangerous effects of nicotine yet without giving up their daily smoke ration
- C) To compete with the Marlboro brand
- D) To provide athletes with an alternative, less harmful way of smoking that wouldn't compromise their performances
- E) To provide a harmless, safe tool that young smokers could use instead of traditional, harmful cigarettes

2901 Answer the following question concerning PASSAGE HC 89

The CDC data provided by the text are suggesting that:

- A) e-cigarettes reduce our appetite more than conventional cigarettes, and this is one of the main reasons why they are becoming so popular
- B) people suffering from asthma and allergies should smoke traditional cigarettes rather than e-cigarettes
- C) 250,000 young people switched from Marlboros to e-cigarettes during 2013
- D) there are now more young traditional cigarette and e-cigarette smokers than some years ago
- E) the invention of e-cigarettes could actually be encouraging non-smokers to use them, thus eventually hindering the original purpose they were created for

2902 Answer the following question concerning PASSAGE HC 89

Why is it not possible to have clear knowledge of e-cigarette potential threats to our health?

- A) Their vapors are made by a mix of different essences
- B) Producers are not required to provide the list of substances contained in their cigarettes
- C) Producers are allowed to put any dangerous, even deadly substance into e-cigarettes
- D) We do not have enough data yet at our disposal
- E) Producers are compelled to secrecy regarding the levels of nicotine contained in their products

2903 Answer the following question concerning PASSAGE HC 89

According to the passage, which of the following statements is FALSE?

- A) If you are an e-cigarette smoker and eventually develop a lung disease, the e-cig itself could be to blame
- B) Living with a person smoking e-cigarettes could very well expose us to some nicotine inhalation
- C) Traditional cigarettes should be avoided, and e-cigarette use should be limited
- D) The ACAAI is warning us against e-cigarettes
- E) We should smoke e-cigarettes as often as we eat cheeseburgers

PASSAGE HC 90

Read the passage and answer the related questions on the basis of its contents and not of any knowledge you might have of its subject.

The bones most commonly broken in human punch-ups also gained the most strength in early "hominin" evolution.

The journal Biological Reviews argues that the reinforcements evolved amid fighting over females and resources, suggesting that violence drove key evolutionary changes.

Fossil records show that the australopiths, immediate predecessors of the human genus Homo, had strikingly robust facial structures.

For many years, this extra strength was seen as an adaptation to a tough diet including nuts, seeds and grasses. But more recent findings have cast some doubt on this hypothesis.

"In fact, [the australopith] boisei, the 'nutcracker man', was probably eating fruit," said Prof David Carrier, the new theory's lead author and a biologist at the University of Utah.

Instead of diet, Prof Carrier proposes that violent competition demanded the development of these facial fortifications: what they call the "protective buttressing hypothesis".

In support of this proposal, Carrier offers data from modern fighting.

"Jaws are one of the most frequent bones to break - and it's not the end of the world now, because we have modern medicine," he explained. "But four million years ago, if you broke your jaw, it was probably a fatal injury. You wouldn't be able to eat... You'd starve to death."

The jaw, cheek, eye and nose structures that most commonly come to grief in modern fist fights were also the most protected by evolutionary changes in the australopiths.

Interestingly, the evolutionary descendents of the australopiths - including humans - have displayed less and less facial buttressing.

This is consistent, according to Prof Carrier, with a decreasing need for protection: "Our arms and upper body are not nearly as strong as they were in the australopiths," he explained.

The facial buttressing idea builds on a previous observation by Prof Carrier that the early hominins were the first primates to evolve a hand shape compatible with throwing a punch.

That earlier paper attracted criticism, and Prof Carrier expects this new contribution may also prove controversial. He says that debate about the role of violence in evolution is not new.

"[Our paper] does address this debate of whether our past was violent or peaceful," he told the BBC. "The historical record goes back a short time, the archaeological record goes back a few tens of thousand years more... But the anatomy holds clues to what selection was important, so it gives us information about the very distant past."

(from: "Male faces 'buttressed against punches' by evolution", by Jonathan Webb, BBC News)

2904 Answer the following question concerning PASSAGE HC 90

The "protective buttressing hypothesis" consists in believing that:

- A) four million years ago, receiving a punch breaking your jaw was not a real problem
- B) human faces got stronger as man evolved, so that he could eat nuts and seeds without breaking his jaw
- C) we should do everything we can to protect our faces from punches and blows, as face bones are very fragile
- D) human faces got stronger as man evolved, in order to protect him from possibly fatal injuries resulting from fights with his peers
- E) human faces are now stronger because fights with other humans have become more violent and dangerous

2905 Answer the following question concerning PASSAGE HC 90

According to the passage, which of the following statements is FALSE?

- A) Face bones are the only things that were stronger in australopiths compared with nowadays' men
- B) Prof Carrier is convinced that anatomy studies can't fail when debating the role of violence in our evolution
- C) "Biological Reviews" is a daily paper whose recent article agrees with Prof Carrier's theory
- D) All human genera who came after the australopiths have weaker facial features than them
- E) Prof Carrier thinks that violence somehow drove man evolution

2906 Answer the following question concerning PASSAGE HC 90

According to what reported by the article, why is the australopith “boisei” referred to as “the nutcracker man”?

- A) Nuts were the main cause of jaw breaking for him
 - B) He ate only nuts throughout his life
 - C) He could break nuts as easy as he liked
 - D) He used to grow walnut trees
 - E) He was long believed to be eating mainly nuts and other hard stuff
-

2907 Answer the following question concerning PASSAGE HC 90

According to the text, what will more likely hurt if you receive a fist to your face?

- A) Either your jaw or your nose
 - B) Your jaw
 - C) Either your jaw, cheek, nose or eyes
 - D) Your jaw and your cheek
 - E) Your nose
-

2908 Answer the following question concerning PASSAGE HC 90

Why do first hominis’ features support the “protective buttressing hypothesis”?

- A) Their body is as strong as that of the australopiths
 - B) They were the first to give punches to their fellow primates
 - C) Their arms and hands are not very strong, but they are more developed than they were in the australopiths
 - D) They don’t seem to have been as violent as the australopiths, probably because they didn’t need it so much to survive
 - E) Their hands were the first to be shaped in such a way that they could punch someone
-

PASSAGE HC 92

Read the passage and answer the related questions on the basis of its contents and not of any knowledge you might have of its subject.

A new study published in the journal Nature has found that zero-calorie artificial sweeteners promote glucose intolerance in mice and humans.

Glucose intolerance is marked by higher-than-normal levels of blood sugar. It's a known precursor to diabetes and a risk factor for cardiovascular disease.

Scientists at the Weizmann Institute of Science in Israel spearheaded the research using a step-by-step approach. Since most artificial sweeteners aren't broken down by the digestive system, the research team hypothesized that glucose intolerance is mediated by changes to gut bacteria. To test this, they conducted two experiments. First, they examined a group of 381 individuals without diabetes and queried them about their intake of artificial sweeteners. They found that artificial sweetener intake was linked to various metabolic parameters, including increased weight, a larger waist-to-hip ratio, and higher blood sugar levels. Second, the researchers fed seven subjects the maximal acceptable daily intake of saccharin per day - equal to roughly 40 cans of diet soda - for seven days and observed what happened. Four of the individuals developed significantly poorer glycemic responses. The other three subjects also showed worse responses, however the differences did not reach statistical significance.

The authors of the study feel their results merit a serious "reassessment" of massive artificial sweetener use. But others aren't so sure.

Sir Stephen O'Rahilly, of the University of Cambridge, said: "the authors report an association between artificially sweetened beverages and markers of diabetes in 381 people; however, a recent study involving more than a third of a million people showed no association between consumption of artificially sweetened drinks and the development of diabetes."

According to the Harvard School of Public Health, "The health benefits of artificial sweeteners are inconclusive." Some studies show that they are healthy replacements for sugar, while others have showed no net benefits.

While the current study presents intriguing findings, it lacks rigor. So don't feel compelled to ditch diet soda just yet.

In general, it's probably best to avoid habitually consuming copious amounts of sugar or artificial sweeteners.

(from: "Artificial Sweeteners Aiding the Obesity Epidemic?", by Ross Pomeroy)

2909 Answer the following question concerning PASSAGE HC 92

According to the passage, which of the following statements about glucose intolerance is FALSE?

- A) It could lead to diabetes
- B) It is the main cause of diabetes and heart failure
- C) It could be boosted by sweeteners
- D) It is characterized by high levels of sugar in our blood
- E) It could lead to cardiovascular illness

2910 Answer the following question concerning PASSAGE HC 92

Scientists of the Weizmann Institute suppose that:

- A) overweight people regularly using sweeteners usually manage to lose some weight
- B) 40 cans of soda contain the ideal daily saccharine intake
- C) gut bacteria could be a key element in the development of glucose intolerance
- D) sweeteners are usually too hard to digest
- E) sweeteners should be consumed by people with glycemic problems

2911 Answer the following question concerning PASSAGE HC 92

What did the subjects involved in the first study by the Weizmann institute have to do?

- A) They provided data on their weight, measurements and blood test results
- B) They had to write a detailed report on their saccharine consumption
- C) They simply replied to some questions by the researchers
- D) Their glycemic levels were monitored regularly
- E) They were administered high doses of saccharine for a week

2912 Answer the following question concerning PASSAGE HC 92**What is Stephen O'Rahilly's opinion of the Weizmann Institute studies?**

- A) They were carried out on too few subjects in order to be regarded as reliable
- B) Saccharine consumption and diabetes could indeed be strongly linked to one another
- C) Contrary to what they are trying to prove, there are hints suggesting that artificial sweeteners could actually be healthy
- D) They have ultimately proved that sweet drinks should be banned from commerce
- E) They led to totally absurd results

2913 Answer the following question concerning PASSAGE HC 92**The text ultimately concludes that:**

- A) we should immediately stop using sweeteners
- B) we should immediately stop drinking sweet beverages
- C) too many studies have already been carried out without reaching any convincing conclusion, suggesting it may not be worth analyzing this subject
- D) studies haven't provided convincing data so far, but trying to limit both sugar and sweeteners is not a bad idea
- E) sugar could be even more harmful than saccharine when it comes to the risk of diabetes or cardiovascular disease

PASSAGE HC 93

Read the passage and answer the related questions on the basis of its contents and not of any knowledge you might have of its subject.

How many moons does the Earth have?

You might be forgiven for saying "one," but it turns out the question isn't that easy to answer... It depends on what you mean by "moon."

Of course, we have one moon, the one we call the Moon. It physically orbits the Earth, so it counts. In this case, what we firmly call a moon would orbit inside what's called the planet's Hill sphere, a region around the planet where the planet's gravity dominates over everything else.

But there are other orbits that make it look like an object is orbiting the Earth, but it doesn't really. There are subtly different flavors of objects like these, but one kind orbits the Sun in elliptical orbits, with an orbital size and shape just right that they take almost exactly one year to go around the Sun once. Typically their orbits are elliptical, taking them closer in and farther out from the Sun than the Earth.

This is precisely the case with 2014 OL339, a 150-meter diameter rock discovered serendipitously in July by a team of asteroid hunters. Its orbit is highly elliptical; it crosses the orbit of Venus and gets out as far as Mars.

However, the numbers work out such that it takes 364.92 days to circle the Sun once. Sound familiar? That's only a few hours less than the Earth's orbital period. When two objects orbit with periods very close to the same number (or simple multiples, like one taking exactly twice as long as the other) we say they are in resonant orbits.

OL339 is in such a resonant orbit. Mind you, all by its lonesome it just orbits the Sun on an ellipse like a gazillion other such rocks; remove the Earth and it'll orbit pretty much as it does now (that's another reason we say it's not a proper moon of the Earth). But, because of the complex way motions add together, from Earth, OL339 looks like it orbits us, moving backwards relative to the stars (and, I suppose I have to note, it has essentially no chance of ever impacting Earth).

(from: "Say Hello to Our Quasi-Moon, 2014 OL339", by Phil Plait)

2914 Answer the following question concerning PASSAGE HC 93**Which of the following statements about OL339 is FALSE?**

- A) It would have been better if it hadn't been discovered
- B) Its orbit has a remarkably elliptical shape
- C) Its diameter is more than 100-meter wide
- D) It revolves around our star
- E) It goes across the orbit of Venus

2915 Answer the following question concerning PASSAGE HC 93

What is the right answer to the question the author of the article asks at the beginning of the passage?

- A) The Earth has two very different kinds of moon
 - B) There is not just one correct answer, as it all depends on the precise meaning we decide to give to the noun "moon"
 - C) The Earth has one moon
 - D) The Earth has two twin moons
 - E) It depends on the number of objects orbiting in our Hill sphere at the moment of the question
-

2916 Answer the following question concerning PASSAGE HC 93

When can we say that two objects are in "resonant orbits"?

- A) They take nearly the same time or half the time of one another to revolve around a planet
 - B) They take exactly the same time to revolve around a star or a planet
 - C) They take nearly the same time to revolve around a star
 - D) They take nearly the same time, exactly half the time or exactly twice the time of one another to revolve around a star or a planet
 - E) They take the same time or twice the time of one another to revolve around Venus or Mars
-

2917 Answer the following question concerning PASSAGE HC 93

Does OL339 represent a danger for our planet?

- A) It could become dangerous if it stopped revolving around the Earth, but it is very unlikely
 - B) It very likely doesn't, but we can't exclude it
 - C) It does, because it could collide with the Earth one day
 - D) It could become dangerous if its orbit changed shape
 - E) We don't really know
-

2918 Answer the following question concerning PASSAGE HC 93

According to the text, apart from OL339, are there other objects orbiting the Sun?

- A) There are so many that we have no idea how many they actually are
 - B) No, OL339 is the only rock revolving around our star
 - C) Some hundreds
 - D) Just a few
 - E) Some thousands
-

PASSAGE HC 95

Read the passage and answer the related questions on the basis of its contents and not of any knowledge you might have of its subject.

Looking at a Lykoi cat, one can be forgiven for thinking it might be sick. Lykois bear a mutant gene variation that interferes with their hair growth, robbing the animals of much of their undercoat and leaving them with hair follicles that are either unable to produce hair at all, or that cannot maintain it. While they do have hair, it is sparse, and often missing around the face and paws, lending Lykois a slightly mangy look, with eyes that, unhidden by fur, give the illusion of being much larger than normal. "These are the results of a natural mutation that appeared in the wild cat population," says Johnny Gobble, a veterinarian and breeder of Lykois. "They've been reported for years, but no one has tried to breed them because there were concerns about their health." Though they don't project the image of a hale, hearty feline, the unusual variety has caught the interest of cat fanciers. This mutation could soon experience a boom, as the trademark of a popular breed.

The Lykoi's partially furred faces and paws are the source of their fame as well as their name. Lykoi is derived from the word "lycanthrope," alluding to the animal's resemblance to creatures like Wolfman. And like their namesake, hair comes and goes. The kittens are born nearly naked and spend parts of their adulthood that way, occasionally molting much of their fur.

According to Gobble, the cats' infirm appearance is only skin deep. Aside from the patchy hair that makes them notable, the first generations of Lykoi cats seem healthy. Tests conducted by Leslie Lyons, an expert in cat genetics, found no recognized genetic disorders in the cats; a battery of tests done by Gobble turned up nothing out of the ordinary. Gobble cautions, though, that giving the breed an entirely clean bill of health right now would be premature. "It's too early," he emphasized. "A lot of health problems won't show up until a cat is 6 or 7 years old, and we don't have any Lykois that old yet."

(From "Watching the Birth of a New Breed: the Lykoi Cat", Ian Chant)

2919 Answer the following question concerning PASSAGE HC 95

According to the text, what is the main feature of Lykoi cats, distinguishing them from ordinary cats?

- A) The thin hair on their paws
- B) The sparse hair
- C) The missing hair on their face
- D) Their aggressive and wild look
- E) Their big eyes

2920 Answer the following question concerning PASSAGE HC 95

According to Mr. Gobble, why have cat lovers become so interested in Lykoi cats recently?

- A) Because they look like real, big felines, unlike ordinary cats
- B) The sparse hair could make it easier to manage them
- C) Because of their odd, uncommon features
- D) The kind of genetic mutation they bear is very rare
- E) They belong to a new breed never seen before

2921 Answer the following question concerning PASSAGE HC 95

From what stated in the text, what can we infer about Lykoi cats' health?

- A) It seems to be fine, but we will need to wait a few years to have reliable scientific evidence about it
- B) It depends on how emphasized their genetic variation is: the more hairs they have, the healthier they will be
- C) It is generally fine until they are 6-7 years old, but it worsens quickly afterwards
- D) It is not very good, as shows their aspect
- E) It is as fine as that of ordinary cats

2922 Answer the following question concerning PASSAGE HC 95

Why is Lykoi cats' hair so different and sparse compared with what we would expect from a cat?

- A) Their follicles cannot produce and/or keep hair, as a result of a genetic variation that cropped up among wild cats
- B) Johnny Gobble has started to breed more of these cats with the precise purpose of understanding why
- C) It is the result of an adaptation process to the environment
- D) They are sick and their hairs falling is just one of the symptoms of such sickness
- E) Their skin is not strong enough to prevent hairs from falling

2923 Answer the following question concerning PASSAGE HC 95

According to the passage, which of the following statements is true?

- A) A Lykoi kitten can be as furry as an ordinary kitten
- B) The "Lykoi" word is completely made up and has no particular meaning
- C) Lykoi cats are almost hairless at least for part of their life
- D) Only one specialist has carried out tests on Lykoi cats so far
- E) We shouldn't be deceived by Lykoi cats' sick appearance, as they are as healthy as ordinary cats

PASSAGE HC 96

Read the passage and answer the related questions on the basis of its contents and not of any knowledge you might have of its subject.

More than 2.5 million Americans — nearly 7,000 people per day — entered the emergency room with injuries from motor vehicle collisions in 2012, according to a new report. Out of that group, nearly 200,000 had stints in the hospital because of the incidents.

A Centers for Disease Control and Prevention (CDC)'s report also showed that lifetime medical expenses for the injuries totaled \$18 million. Teens, young adults, and people older than 80 accounted for the majority of the accidents.

"Motor vehicle crash injuries occur all too frequently and have health and economic costs," Ileana Arias, CDC principal deputy director, said. "We need to do more to keep people safe and reduce injuries and medical costs."

While lifetime medical costs for injuries from motor vehicle collisions dropped \$1.7 billion between 2002 and 2012, traffic accidents still count as the primary cause of injury in the United States. The outcome for all parties can be deadly. In 2012, the National Highway Traffic Safety Administration reported more than 33,000 deaths by collision. Experts say key causes include distracted driving, speeding, drunk and reckless driving, and running red lights and stop signs.

Recent research has cited driver exhaustion as a key factor. In a 2013 report, researchers likened driving while sleepy — also known as "drowsy driving" — to drunk driving in the sense that it poses just as great a risk for injury and fatalities.

Sleep deprivation takes a toll on public transit workers and truck drivers, many of whom travel long distances and through the night as part of their jobs.

In a 2012 survey, one out of four drivers admitted that a lack of sleep weakened their job performance. Nearly 20 percent of train operators and 14 percent of truck drivers also recounted close calls they said stemmed from their fatigue. Experts say a "culture of exhaustion" pressures workers in these industries to pick up extra shifts, even though their bodies cannot sustain the long hours.

(From "Car Accidents Send 2.5 Million Americans To The Emergency Room Every Year", Sam P.K. Collins)

2924 Answer the following question concerning PASSAGE HC 96

How many people spent some time in a hospital after a car accident in 2012, according to the report dealt with in the text?

- A) 2.5 million people
- B) About 7,000
- C) About 2 million people
- D) 33,000
- E) About 200,000

2925 Answer the following question concerning PASSAGE HC 96

According to the CDC's report, which of the following age groups was the most struck by collisions in 2012?

- A) Under 20s
- B) People under 30 or over 80
- C) Teenagers
- D) People aged 30 to 70
- E) Over 90s

2926 Answer the following question concerning PASSAGE HC 96

Each of the following alternatives is quoted as one of the main causes of car accidents in the USA, apart from one. Which is it?

- A) Bad mood
 - B) Lack of proper sleep time
 - C) High speed
 - D) State of drunkenness
 - E) Traffic offences
-

2927 Answer the following question concerning PASSAGE HC 96

“Drowsy driving” is:

- A) risky driving
 - B) driving at night
 - C) the habit of driving long distances
 - D) drunk driving
 - E) driving while being sleepy or after not having slept enough
-

2928 Answer the following question concerning PASSAGE HC 96

According to the text, which of the following statements about public transport drivers is false?

- A) A good sleep is particularly important for them, as it may well make the difference in case of a car crash
 - B) Drivers for profession should't accept to work overtime if they feel they need to rest
 - C) Both train and truck drivers remember risking their life because of the lack of sleep on more than one occasion
 - D) All train and truck drivers are used to working during the night
 - E) 25% of the sample declared that sleep is key for their job
-

PASSAGE HC 97

Read the passage and answer the related questions on the basis of its contents and not of any knowledge you might have of its subject.

Antarctica is famously a continent capped with ice, but as Earth's climate changes and the polar regions get warmer, its ancient ice is beginning to melt. The immediate consequence is the growing instability of ice shelves, places where the ice covering extends into the ocean. However, if we want to know how quickly Antarctica is losing ice, we need a way of measuring that loss in terms of total mass.

In that mission, scientists are aided by gravity. As Antarctic ice melts, it shifts mass from the continent into the oceans, slightly changing Earth's gravitational field in that part of the world. We wouldn't notice it, but orbiting observatories can measure small fluctuations in gravity compared with other spots.

Data from observatories and probes show that Antarctica is losing ice at a scary rate. Between 2009 and 2012, the amount of gravity in Antarctica decreased noticeably, corresponding to a lot of ice melt. Data for three Antarctic glaciers found they are losing approximately 204 billion US tons of ice each year for the three years of the study.

From the point of view of artificial satellites or the Moon, Earth's gravity is a steady influence, a tug that doesn't depend on where the satellite is. However, mass is the source of gravity, so if the crust is thicker in one place than another—say, the Himalayas vs. the floor of the Ocean—the thicker part will exert a slightly higher gravitational pull.

As a result, a satellite passing over a higher-mass region would speed up very slightly, and slow down over a lower-mass one.

Gravity measurements are themselves complementary to other studies such as the CryoSat experiment, which measures the height of ice, a very accurate method known as altimetry.

As someone who researched gravity in graduate school, I find the fact that we can measure ice loss using gravitational satellites fascinating, even as I'm disturbed by what we discover.

(From "Glaciers Lose 204 Billion Tons of Ice in Three Years", Matthew R. Francis)

2929 Answer the following question concerning PASSAGE HC 97

According to the text, what is the first, most evident result of ice melting in the Antarctica?

- A) The increasing instability of ice plates
- B) The change in Earth's gravitational field
- C) Climate change
- D) Enormous ice blocks drifting away into the ocean northwards
- E) Ocean rise

2930 Answer the following question concerning PASSAGE HC 97

Why can we assume that Antarctica is losing much of its ice by looking at Earth's gravity?

- A) The less gravity there is in a certain spot of our planet, the less mass there is, so the decreasing gravity in the Antarctic region can only mean there is not as much ice as before
- B) Because some observatories can measure ice melting using gravitational data taken from the space
- C) The gravitational field is influenced by climate change, and the most evident ongoing change concerns precisely ice melting in the Antarctica
- D) The gravitational field of our planet changes more rapidly if ice is melting at a fast pace
- E) The more gravity there is in a certain spot of our planet, the less mass there is, so the increasing gravity in the Antarctic region can only mean there is not as much ice as before

2931 Answer the following question concerning PASSAGE HC 97

Are gravity measurements enough to prove how much ice Antarctica is actually losing?

- A) It depends on the level of precision our probes can achieve during a study's period
- B) Yes, they represent the only reliable source of data we can get
- C) No, but they are the only way to get data allowing us to assume it is so
- D) No, they only serve as a double check after carrying out altimetry tests
- E) No, they are of help but they need to be combined to other studies

2932 Answer the following question concerning PASSAGE HC 97

According to what reported by the text, where is an artificial satellite expected to speed up?

- A) Over a lake
- B) Over the open ocean
- C) Over the Arctic region
- D) Over the Alps
- E) Over low hills

2933 Answer the following question concerning PASSAGE HC 97

The 2009-2012 research:

- A) studied the situation of all the biggest known Antarctic glaciers
- B) measured the average speed of artificial satellites when they are over melting-ice areas
- C) found that only three Antarctica glaciers are actually decreasing in volume
- D) focused of three Antarctic glaciers, and found these are losing about 200 billion tones of ice per year
- E) studied the gravitational pull exerted by Antarctica through the centuries

PASSAGE HC 99

Read the passage and answer the related questions on the basis of its contents and not of any knowledge you might have of its subject.

A flock of sheep were left feeling rather woolly-headed after accidentally munching on thousands of pounds worth of cannabis plants.

The animals began stumbling about after getting high on seven bags of the intoxicating plant, which had been dumped in their field.

Police won't be taking action against the sheep for tucking into their illegal meal, but are determined to catch the "irresponsible" crooks who grew and discarded the class B drug.

The £4,000 hoard of cannabis plants, each about 3ft tall, was found by the flock at the edge of Fanny's Farm in Merstham, Surrey.

Farm shop manager Nellie Budd said: "My sheep being inquisitive had an interesting feast on it. They weren't quite on their backs with legs in the air but they probably had the munchies. They haven't had any other side effects but I'll tell you about the meat next week."

"At first I thought it was someone's hedgerow rubbish. I went down to collect the bags so the sheep weren't eating black plastic. When I got there I realised it was a form of herbal cannabis plant. They were very strong in scent."

Investigating officer Detective Constable David Fair said: "It is extremely irresponsible for whoever dumped these illegal plants in this way".

"We are doing all we can to find out how the drugs came to be at the location and who is responsible for growing and discarding the plants". However, bringing the criminals to justice will be a challenge because the sheep chomped their way through quite a lot of the evidence.

(From "Sheep munch through £4,000 of cannabis plants dumped in their field. The animals accidental feast on the class B drug at Surrey farm", Nicola Fifield, The Telegraph)

2934 Answer the following question concerning PASSAGE HC 99

According to the text, how much cannabis did the sheep actually eat?

- A) They barely tasted it
- B) As much as they could, as they liked it
- C) Seven doses
- D) A lot of it
- E) Thousands of leaves

2935 Answer the following question concerning PASSAGE HC 99

How were the sheep feeling after eating the cannabis plants?

- A) Full of energy
- B) Happy and in a good mood
- C) Somewhat dizzy
- D) A little bit sleepy
- E) They didn't have any noticeable short-term side effect

2936 Answer the following question concerning PASSAGE HC 99

Why will it be particularly difficult to find the responsables of cannabis dumping into the sheep field?

- A) The farm owner realized too late what was going on with her flock
 - B) The police has no idea which track it should follow
 - C) There are no witnesses
 - D) The sheep ate almost all the cannabis, so there is hardly any proof left
 - E) The cannabis bags were actually found next to the sheep field, and not inside it
-

2937 Answer the following question concerning PASSAGE HC 99

According to the passage, which of the following statements is FALSE?

- A) Detective Constable David Fair is determined to do everything he can to find the culprit(s)
 - B) Nellie Budd was able to recognize cannabis by looking at the plant and smelling it
 - C) The cannabis plants eaten by the sheep were worth millions of pounds
 - D) The cannabis plants were hidden in black plastic bags
 - E) Nellie Budd thinks of her animals as curious and clever
-

2938 Answer the following question concerning PASSAGE HC 99

Does the police think that the sheep are to blame as well?

- A) Yes, because they ate illegal herbs
 - B) Of course not
 - C) No, though they caused much damage by eating the cannabis plants
 - D) Yes, but they can't be prosecuted
 - E) Yes, since they cancelled evidence despite themselves
-

PASSAGE HD 00

Read the passage and answer the related questions on the basis of its contents and not of any knowledge you might have of its subject.

According to a new report, the Earth has lost half its vertebrate species — mammals, birds, fish, reptiles, and amphibians — since 1970.

The latest Living Planet Report, put out by a joint research effort between the World Wildlife Fund and the Zoological Society of London, found a stunning drop of 52 percent in the population of wild animals on the planet over the last 40 years. The most catastrophic drop was among the inhabitants of freshwater ecosystems — the last stop for much of the world's pollution from road run-off, farming, and emissions — whose numbers declined 75 percent. Oceanic and land species both dropped 40 percent.

"If half the animals died in London zoo it would be front page news," Ken Norris, director of science at the Zoological Society London, told the Guardian. "But that is happening in the great outdoors."

The researchers analyzed 10,000 different animal populations encompassing 3,000 different species. The data was used to create the Living Planet Index (LPI) to represent the situation of the 45,000 known species of vertebrates.

The Guardian noted that the worst declines of animal populations have occurred among developing, low-income nations. That's largely because they lack the institutional protections for wildlife, suggesting economic development and better institutional design will be key.

But part of the poorer nations' share of the damage is because most of the damage in rich nations was done before the start of the data in 1970; the last wolf in Great Britain, for instance, was shot in the 1600s. More importantly, much of the damage done by poor nations is carried out to feed economic demand in rich nations. Between 1990 and 2008, Europe imported a third of the products which often drive deforestation. The developed world is "outsourcing" its damage share.

All of these affects fall under the broader rubric of humanity's "ecological footprint." That's the metric for our impact on the global ecosystem.

(from: Jeff Spross, "Human Activities Have Cut Animal Populations In Half Since 1970")

2939 Answer the following question concerning PASSAGE HD 00

According to the text, which of the following data does NOT pertain to the new Living Planet Report?

- A) Thanks to the Living Planet Index, we have a rather accurate overview of all living animal species
- B) Wild animals have been decreasing by more than 50 percent since the 70s
- C) There are about 10,000 different known animal species on Earth
- D) Animals living in a fresh water environment are the most struck by pollution
- E) Several thousands of species were taken into account

2940 Answer the following question concerning PASSAGE HD 00

Why are species living in fresh water particularly struck by the overall animal population decrease?

- A) They can't be protected from gas emissions
- B) They usually live close to the roads
- C) They suffer from many different forms of pollution that all somehow end up in their environment
- D) Fresh water is getting more and more polluted
- E) They are killed by man for animal farming purposes

2941 Answer the following question concerning PASSAGE HD 00

According to the author, how are wild animals that live in developing countries?

- A) They are extremely endangered because of the lack of protection by these countries' governments
- B) They are just the same as the animals living in more developed countries
- C) They are worse just in developing countries whose products are exported
- D) They are slightly better than those living in industrialized countries
- E) They are worse than those living in industrialized countries

2942 Answer the following question concerning PASSAGE HD 00

The “ecological footprint” is:

- A) the changes undergone by humanity through the centuries
- B) the amount of animal species that have become endangered because of man
- C) the changes undergone by the environment since the advent of man
- D) the extent to which human activities can influence our ecosystem
- E) the unmistakable sign of human presence in a certain environment

2943 Answer the following question concerning PASSAGE HD 00

According to the passage, which of the following statements is FALSE?

- A) Animals living in the ocean are doing better than those living in fresh water
- B) Europe is a major importer of goods from low-income countries
- C) European wild animals started being threatened by man several centuries ago
- D) Industrialized countries could solve the problem of endangered wild animals once and for all
- E) If Europe stopped importing goods from developing countries, the situation of wild animals could improve a little bit

PASSAGE HD 02

Read the passage and answer the related questions on the basis of its contents and not of any knowledge you might have of its subject.

"They paved paradise. And put up a parking lot." So go the lyrics of the 1970 Joni Mitchell lament, "Big Yellow Taxi." Forty-four years later, parking lots are still seen as part of the problem with America's transportation, energy and design system. The entities that own and manage stores, schools, malls, and office buildings spent a lot of resources covering open space in concrete and asphalt to accommodate shoppers, students, and workers. When empty, parking lots look like a forlorn waste of space. When they're full, they're difficult to negotiate. "We all use parking lots, and we all kind of hate them," as Eran Ben Joseph, a professor of landscape architecture and urban design at the Massachusetts Institute of Technology, put it. "Yet we have to deal with that."

A 2005 study estimated there were some 105.2 million parking spaces in the U.S. But Ben Joseph estimated there were 500 millions. But increasingly, when it comes to energy use and sustainability, parking lots are actually becoming part of the solution. Why? In many parts of the country, they are becoming solar power plants.

Typically, solar panels are placed on flat surfaces that afford direct exposure to the sun and aren't otherwise used. The same principle applies to parking lots and garages – provided you build canopies to serve as platforms for the panels.

Such canopies provide a bunch of benefits. In the summer and in hotter regions, they provide shade for parked cars, preventing them from getting too hot. At all times of the year, they provide protection from rain. In the winter, they can shield drivers from the annoyance of having to wipe snow and ice off their windshields. And when there's light, they produce electricity.

Several companies are now scaling up to turn America's parking lots into power plants. One of those active in the Northeast is Solaire Generation in New York City.

The following step toward greater sustainability would be to turn those solar canopies into fueling stations. And that is slowly happening.

(from "Paved Paradise - New Energy Economy", thedailybeast.com)

2944 Answer the following question concerning PASSAGE HD 02

Which of the following is NOT listed as a benefit of solar panels in parking lots?

- A) They prevent cars from getting wet when it is rainy
- B) They protect the inside of the cars from the heat
- C) They prevent cars from getting covered by ice
- D) They are a shield against intense brightness
- E) They produce electricity during day and night

2945 Answer the following question concerning PASSAGE HD 02

From the quote at the beginning of the text we can infer that Joni Mitchell's opinion of parking lots was:

- A) extremely positive
- B) a little negative
- C) positive
- D) negative overall, though he was aware that they are necessary
- E) very negative

2946 Answer the following question concerning PASSAGE HD 02

Which of the following alternatives best describes what parking lots are like according to the author of the text?

- A) They are the most useful and clever investment a municipality can make
- B) There is never enough of them, but cities are now running out of space
- C) The construction of new parking spaces should be forbidden, unless they are equipped with platforms especially made for solar panels
- D) They are usually thought to be a waste of space when empty, but things are slowly changing, thanks to the idea of turning them first into solar panels, and later into gas stations
- E) They could be more useful and efficient if there were always gas stations next to them

2947 Answer the following question concerning PASSAGE HD 02

In which sense are full parking lots "difficult to negotiate"?

- A) They are not an idyllic sight, yet we can't do without them, so we hate and love them at the same time
- B) We should use public transport, so that we do not need parking lots, but actually it is difficult to do so
- C) It is difficult to pay exactly what they are worth
- D) You often have to quarrel with other users in order to get the best space
- E) When the parking space you usually use is full, it is difficult to find a suitable alternative

2948 Answer the following question concerning PASSAGE HD 02

According to the data provided by the text, how many parking spaces are there in the U.S.?

- A) Between 100 and 500 millions
- B) Precisely 105.2 millions
- C) More than 500 millions
- D) There could be about 105 millions, but someone argues there may be even five times more than those
- E) More than 100 millions

PASSAGE HD 04

Read the passage and answer the related questions on the basis of its contents and not of any knowledge you might have of its subject.

A recent report found that a majority of packaged food tested and labeled as “natural” in fact contain a significant level of genetically modified ingredients, spurring calls for food manufacturers to be honest about what their products contain.

Independent product testing organization Consumers Reports conducted a survey of more than 80 processed foods purchased in 2014 that contained corn or soy. Findings showed that foods labeled as “non-GMO” or “organic” didn’t contain genetically modified versions of the crops. Foods labeled as “natural” or without any claim about GMO content, however, contained large amounts of GMO ingredients.

Consumers are being misled by the “natural” label.

Traits of genetically modified crops include resistance to pesticides and herbicides and what proponents consider increased nutritional value. While nearly 70 percent of American produce contains GMOs, debates about its safety have taken place since the first commercial cultivation of genetically modified crops in 1996. Food manufacturers claim that crops don’t harm the human body, but critics point to studies that link GMOs to health problems.

Tuesday’s report comes in the midst of a showdown between food manufacturers and regulatory agencies centered on how food should be labeled. Earlier this year, Vermont passed a law that requires food companies to accurately label food that contains GMOs. Voters in more than 20 states will take the issue to the ballot box on Nov. 4.

Food manufacturers, however, show no sign of backing down. Last month, the Grocery Manufacturers Association, a coalition of more than 300 food companies, reached out to federal government to allow food that contains GMOs to be labeled as natural.

And even aside from the issue of GMOs specifically, food companies have been able to lead deceptive marketing campaigns to make their products appear healthier than they are. “Natural” counts among of the misleading buzzwords — along with “organic,” “wholegrain,” and “gluten free” — that can trick customers. Convoluted nutritional labels can also make it difficult for people to figure out what exactly is in the food they’re buying.

(from: “Most Foods Labeled ‘Natural’ Actually Contain GMOs, Study Shows”, by Sam P.K. Collins)

2949 Answer the following question concerning PASSAGE HD 04

According to the text, what are the study’s results urging food manufacturers to do?

- A) To avoid labelling their products with GMO information
- B) To stop selling GM products
- C) To awaken public opinion to the importance of organic products
- D) To label their products with more reliable information about their ingredients
- E) To stop labelling the products as “organic” and only use the word “natural” instead

2950 Answer the following question concerning PASSAGE HD 04

According to the passage, which of the following statements is false?

- A) The more intricate label information is, the less clear it will be to the customer
- B) More than half of the food produced in the USA contains GMOs
- C) GM crops have been cultivated for nearly 20 years
- D) It is impossible for a product containing GMOs to be called either “natural” or “organic”
- E) Consumers buying food bearing the “natural” label generally cannot imagine that product may contain GMOs

2951 Answer the following question concerning PASSAGE HD 04

The survey by the Consumers Reports organization:

- A) analyzed 70 % of American food companies
- B) mainly focused on the kinds of food that usually contain traces of GMOs
- C) only focused on foods containing soy and/or corn
- D) analyzed all the different kinds of labelling on 80 selected products
- E) analyzed the ingredients of 80 products labelled as “natural”

2952 Answer the following question concerning PASSAGE HD 04**What will happen on November 4th in many American States?**

- A) Food companies and labelling agencies will meet to settle the labelling issue once and for all
- B) Words such as “organic” and “gluten free” will no longer be printed on food packaging
- C) There will be a poll to decide if food containing GMOs should be labelled differently and more precisely than it is nowadays
- D) Companies based in Vermont will start changing their labelling policy of foods containing GMOs
- E) It will no longer be possible to label foods containing GMOs with the word “natural”

2953 Answer the following question concerning PASSAGE HD 04**From what stated in the text, what attitude can we expect from food companies in the near future?**

- A) They will change their labelling policy, provided it is scientifically proved that GMOs are harmful for our health
- B) They will form a coalition that can represent them at the federal government
- C) They will try to follow regulatory agencies' advice regarding labelling
- D) They have no intention to change their labelling policy, as they are convinced labelling GMO products as “natural” won't do any harm
- E) They will revise their marketing campaigns and try to make them more upright

PASSAGE HD 05

Read the passage and answer the related questions on the basis of its contents and not of any knowledge you might have of its subject.

Animal right activists rejoiced earlier this year when the International Court of Justice (ICJ) told Japan to halt its whaling program on the grounds that it was commercial, not scientific.

The celebration was short-lived. Japan announced that it would be returning to the Southern Ocean Whale Sanctuary next year with a remodeled scientific program. Japan has long taken advantage of a loophole in the International Whaling Commission's 1986 moratorium on commercial whaling that allowed for the killing of whales for scientific research, and the leftover whale products to be sold on the market.

Japan's announcement comes in spite of the fact that both the IWC and the ICJ ruled past Japanese whaling programs were illegal. Last month, the IWC adopted a resolution that set new guidelines for scientific programs, giving the commission authority to assess whether lethal samples are necessary for a specific research program and whether the number of whales sampled is justified. Had Japan complied with the IWC's resolution, it would have been forced to extend a moratorium on its whaling. Japan's Chief Cabinet Secretary said the resolution has “no legal binding effect,” and shortly afterwards Japan announced it will resume whale hunts in 2015.

There is little evidence to suggest that Japan's killing of 14,000 whales in the name of research can be justified as scientifically necessary. The alleged goal of the first 18 years of Japan's research was to estimate the number of Minke whales in the Antarctic, as well as to try to estimate mortality rates. For this research, 6,800 whales were killed. Australia, which brought the case in the ICJ, argued that estimating the mortality chances of whales was “practically unachievable,” thereby undermining the stated purpose of the research. Nevertheless, this did not stop Japanese PM Shinzo Abe from telling parliament that the scientific data obtained from whaling programs are “indispensable to the management of whaling resources.”

(from: Japan Is Going Back To Whaling, Calling It 'Scientific', by Joaquim Moreira Salles)

2954 Answer the following question concerning PASSAGE HD 05**Why has Japan been able to take advantage from the 1986 IWC moratorium to reach its goal?**

- A) The text allowed whale killing for commercial purposes to some extent
- B) The moratorium allowed too much flexibility in its enforcement by each single country
- C) The moratorium text was not very clear, so each country interpreted it to its profit
- D) The moratorium did not forbid whale hunt, it only advised it should be avoided
- E) The text gave a scientific excuse to go on killing whales

2955 Answer the following question concerning PASSAGE HD 05

How did Japan react to the new resolution adopted by the IWC last month?

- A) The Chief Cabinet Secretary declared he will provide scientific evidence of the necessity of Japan's research programs
 - B) It declared that the resolution will be eventually accepted and applied
 - C) It said it is not compulsory to follow it, so it will go on hunting whales also next year
 - D) It didn't comment on it, but didn't change its whale hunting policy either
 - E) The Chief Cabinet Secretary declared that the matter will be discussed shortly
-

2956 Answer the following question concerning PASSAGE HD 05

Australia went up against Japan stating that the purpose of its scientific research is:

- A) in contrast with the IWC guidelines
 - B) not important enough to justify the number of whales that are being killed
 - C) useless if carried out only on Minke whales
 - D) not reachable through the kind of research the country is carrying out
 - E) nearly impossible to achieve, therefore disproving the research itself
-

2957 Answer the following question concerning PASSAGE HD 05

The number of whales that Japan is killing for alleged research purposes is:

- A) a little bit high
 - B) a little bit low
 - C) too high
 - D) generally fine, but difficult to justify on some occasions
 - E) acceptable
-

2958 Answer the following question concerning PASSAGE HD 05

According to the passage, which of the following statements is FALSE?

- A) Japanese PM Mr. Abe is a strong supporter of whale hunting
 - B) Everybody is perfectly aware that Japan is hunting whales for commercial reasons, yet its government is too influent and cannot be halted
 - C) The IWC resolution should be made compulsory in order to have more strength and power to go up against the decisions of the Japanese government
 - D) Animal right activists have something to worry about with Japan's attitude regarding whale hunting
 - E) Japan's supposed research on whales has been going on for many years
-

PASSAGE HD 06

Read the passage and answer the related questions on the basis of its contents and not of any knowledge you may have of its subject.

As the year comes to a close, many Americans haven't taken a single vacation day to unwind.

In an online survey of more than 1,000 people, Skift, a marketing company, found that just over half of Americans report that they haven't taken a single vacation day this year so far. Another almost 18 percent have taken less than five.

Part of the problem may be that workers aren't guaranteed any vacation time from their employers, unlike in 20 other developed countries, so nearly a quarter don't get any days at all.

But even those who get paid vacation days still don't tend to take full advantage of them. The average American who gets paid time off only uses about half of it, while 15 percent don't use any at all. Workers end up leaving an average of three vacation days unused each year.

Skift also found that the use of vacation days varies by demographics. "The lower the income of Americans, the fewer vacation days they have taken this year, while richer Americans have taken more," the company reports. Around half of those in the bottom three income groups say they haven't taken a day off, while just around a quarter of those making \$75,000 to \$149,000 say the same. No one making more than \$150,000 says they've gone without a day off.

Americans aren't just skimped on paid vacation time. We're also not guaranteed paid holidays, paid sick days, or paid family leave, unlike all other developed countries.

Most say it's because of the culture of overwork, while over a third of senior business leaders think those who take their allotted time are less dedicated, productive, and successful. Forty percent of workers say their "mountain of work" makes it hard to take time away.

Americans certainly are putting in far more time at work than most other countries.

There are benefits from taking a break. NASA scientists who took vacations saw an 82 percent increase in job performance on their return. Meanwhile, the world's most productive workers put in fewer hours, and many different studies have found that clocking above 60 a week creates a short-term boost that will then disappear completely after a few weeks. The economy would also benefit from Americans taking time off: spending would increase by \$67 billion.

(from: "Welcome To Vacationless America", by Bryce Covert)

2959 Answer the following question concerning PASSAGE HD 06

According to the "Skift" survey, which of the following data is exact?

- A) 50% of Americans do not have right to any day off from their job
- B) About 70% of Americans have taken less than five days off from their job this year
- C) On average, American workers who could benefit from vacation days only use three or so each year
- D) Only 50% of Americans have taken a vacation week during this year
- E) About 600 out of 1,000 surveyed people declared they didn't need any vacation day during this whole year

2960 Answer the following question concerning PASSAGE HD 06

Why would it be a good thing to take a vacation once in a while?

- A) Workers don't yield much if they don't take a break a few times a year
- B) Without short, frequent breaks, employees can't manage to work overtime
- C) Companies wouldn't have to pay for so many unenjoyed holiday days
- D) Workers are in a better mood when they go back to work after a break
- E) There would be a return in terms of the workers' performance and consumptions during the time off

2961 Answer the following question concerning PASSAGE HD 06

Which of the following statements about American workers is false?

- A) They tend to work more than their colleagues in equally developed countries do
- B) Those with a prestigious job think they can show their dedication to work if they do not enjoy the holiday days they have at their disposal
- C) More than 30% is convinced their workload doesn't allow them to take any day off
- D) They do not enjoy all the privileges guaranteed in most developed countries
- E) They prefer to be paid for the free days they could take rather than enjoy them

2962 Answer the following question concerning PASSAGE HD 06

According to the survey, which of the following groups will most likely take a holiday sometimes during the year?

- A) People with extremely low income
 - B) People earning at least \$75,000
 - C) People earning at least \$150,000
 - D) People learning at least \$75,000, but less than \$149,000
 - E) People earning less than \$75,000
-

2963 Answer the following question concerning PASSAGE HD 06

All those surveyed who earn more than \$150,000 a year declared that:

- A) they have taken more than one day off during the year
- B) they only take days off if it is necessary, but they prefer not to
- C) they haven't taken any day off during the year
- D) they have taken all the free days they could during the year
- E) they have taken at least one day off during the year

2964 What is the central mystery of the Christian faith?

- A) The Virginity of Mary Mother of God
- B) The Transfiguration
- C) The Church
- D) The Holy Trinity
- E) The descent of the Holy Spirit

2965 What is the relation between the Catholic Church and non-Christian religions?

- A) They are the result of error
- B) There is no relation
- C) They are subjugated
- D) They are tolerated
- E) They are considered rays of the Sole Truth of God

2966 Why was Jesus called Christ?

- A) Because at the time many men were called Jesus
- B) Because it means Messiah, Anointed by the Spirit, in Hebrew
- C) Because the disciples were called Christians
- D) Because it was his surname
- E) Because it was his nickname in Hebrew

2967 What does the word Incarnation indicate?

- A) The union of the divine and human nature
- B) That without the soul the flesh is impure
- C) An ancient method of animal slaughtering
- D) That God tries to understand man
- E) That the soul unites to the body

2968 Why is the Church termed Catholic?

- A) Because Jesus said so to the disciples
- B) Because it is seated in Rome where the Pope lives
- C) Because its mission is universal, directed to all peoples and all cultures
- D) Because it has no territorial or temporal boundaries
- E) Because it is Holy

2969 What is the fundamental element that distinguishes the Catholic faith?

- A) The Prophets
- B) The Holy Scripture
- C) Monotheism
- D) The Incarnation
- E) The Ten Commandments

2970 What did Peter say to Jesus when he confessed his divinity?

- A) You said the truth. But don't reveal it to the world yet
- B) Get behind me, Satan! You do not have in mind the concerns of God, but merely human concerns
- C) You call me "Lord" and rightly so, for that is what I am
- D) Blessed are those who believe without seeing
- E) You are the Christ, the Son of the living God

2971 What is the "New Commandment" that Jesus gave to his disciples?

- A) If you can resist, abstain from marriage
 - B) Be perfect, therefore, as your heavenly Father is perfect
 - C) Love one another. As I have loved you, so you must love one another
 - D) Observe the Sabbath of the Lord
 - E) You will not bear false witness against your neighbour
-

2972 What are the three theological virtues?

- A) Poverty, obedience, chastity
 - B) Faith, forgiveness and compassion
 - C) Faith, hope and charity
 - D) Courage, moderation, almsgiving
 - E) Joy, peace, purity
-

2973 Can abortion be acceptable according to the teachings of the Catholic Church?

- A) It is allowed in case of objective economic difficulties that make raising the child objectively difficult
 - B) Yes, when the fetus has serious congenital and incurable defects
 - C) Abortion is left as a choice to be taken maturely and responsibly by the pregnant woman and/or by the couple of spouses
 - D) Yes, in case of rape or incest
 - E) The Church condemns abortion as a grave evil and never allows it
-

2974 In the Instruction "Dignitas personae on certain bioethical questions" (2008), in paragraph n.3 it is stated that:

- A) "In presenting principles and moral evaluations regarding biomedical research on human life, the Catholic Church draws upon the light both of reason and of faith and seeks to set forth an integral vision of man and his vocation, capable of incorporating everything that is good in human activity, as well as in various cultural and religious traditions which not infrequently demonstrate a great reverence for life."
- B) "In presenting principles and moral evaluations regarding biomedical research on human life, the Catholic Church draws exclusively upon the light of reason and seeks to set forth a specific vision of man and his vocation on the basis of principles inferred by science, fostering progress of knowledge and mankind, with respect and tolerance of every line of thought democratically".
- C) "In presenting principles and moral evaluations regarding biomedical research on human life, the Catholic Church draws upon the light of reason and subordinately of faith and seeks to set forth an integral vision of man and his vocation, capable of incorporating everything that is good in human activity, as well as in various cultural and religious traditions which not infrequently demonstrate a great reverence for life."
- D) "In presenting principles and moral evaluations regarding biomedical research on human life, the Catholic Church draws upon the light of faith and seeks to set forth an integralist vision of man and his vocation, capable of incorporating everything that is good in human activity, as well as in various cultural and religious traditions which not infrequently demonstrate a great reverence for life."
- E) "In presenting principles and moral evaluations regarding biomedical research on human life, the Catholic Church draws upon the light both of reason and of faith and seeks to set forth especially a spiritual vision of man and his vocation, capable of incorporating everything that is good in human activity, as well as in various cultural and religious traditions which not infrequently demonstrate a great reverence for life."

2975 Who or what receives an injury by denying religious freedom in society? (cfr. "Dignitatis humanae", 3)

- A) None of the above
- B) The human person and respect towards the fundamental rights of the person
- C) Society in its whole and the very order established by God for human life
- D) The very order established by God for human beings and respect towards their legally recognized rights
- E) The human person and the very order established by God for human life

2976 What is the foundation of the right to religious freedom? (cfr. "Declaration on Religious Freedom Dignitatis humanae", I.2)

- A) The right to religious freedom truly has its foundation in the human corporeity
- B) The right to religious freedom truly has its foundation in the very dignity of the human person as documented in the Universal Declaration of Human Rights
- C) The right to religious freedom truly has its foundation in the very dignity of the human person as this dignity is known through the sole human reason
- D) The right to religious freedom truly has its foundation in the fundamental self-determination of man as it is revealed by the word of God and interpreted in light of the righteous reason
- E) The right to religious freedom truly has its foundation in the very dignity of the human person as this dignity is known through the revealed word of God and by reason itself

2977 The use of animal oocytes for reprogramming the nuclei of human somatic cells (cfr. "Dignitas personae", 33):

- A) from the ethical standpoint represents an offense against the dignity of human beings, on account of the admixture of human and animal genetic elements capable of disrupting the specific identity of man, unless it has therapeutic purposes
- B) None of the above
- C) from the ethical standpoint represents an offense against the dignity of human beings, on account of the admixture of human and animal genetic elements capable of disrupting the specific identity of man, unless it has reproductive purposes
- D) from the ethical standpoint represents an acceptable procedure, provided that it brings an actual improvement to the human genetic patrimony
- E) from the ethical standpoint represents an offense against the dignity of human beings, on account of the admixture of human and animal genetic elements capable of disrupting the specific identity of man

2978 What is the criteria for the ethical evaluation of the use of stem cells? (cfr. "Dignitas personae", 32)?

- A) None of the above
- B) With regard to the ethical evaluation, it is necessary to consider only the methods of obtaining stem cells
- C) With regard to the ethical evaluation, it is necessary to consider exclusively the risks connected with their clinical or experimental use
- D) With regard to the ethical evaluation, it is necessary to consider the methods of obtaining stem cells as well as the techniques of preservation
- E) With regard to the ethical evaluation, it is necessary to consider the methods of obtaining stem cells as well as the risks connected with their clinical or experimental use

2979 Which moral evaluation is applicable to the somatic and germ line cell therapy? (cfr. "Dignitas personae", 26)?

- A) Procedures used on both somatic cells for strictly therapeutic purposes and on the germ line are ethically acceptable
- B) Procedures used on both somatic cells for strictly therapeutic purposes and on the germ line are ethically unacceptable
- C) Procedures used on somatic cells for strictly therapeutic purposes are in principle morally licit, while whatever genetic modifications are effected on the germ cells of a person would be transmitted to any potential offspring. Because the risks connected to any genetic manipulation are considerable and as yet not fully controllable, in the present state of research, it is not morally permissible to act in a way that may cause possible harm to the resulting progeny
- D) Procedures used on somatic cells for any purpose are in principle morally licit, while whatever genetic modifications are effected on the germ cells of a person would be transmitted to any potential offspring. Because the risks connected to any genetic manipulation are considerable and as yet not fully controllable, in the present state of research, it is not morally permissible to act in a way that may cause possible harm to the resulting progeny
- E) Procedures used on somatic cells for strictly therapeutic purposes are in principle morally illicit, while procedures used on germ line cells are morally acceptable

2980 What moral criterion can be proposed with regard to medical intervention in human procreation? (cfr. "Donum vitae", II. 7)

- A) None of the previous answers
- B) A medical intervention respects the dignity of persons when it seeks to assist the procreative intentionality of the couple, regardless of how it is realized
- C) A medical intervention respects the dignity of persons when it seeks to serve as a substitute of the conjugal act
- D) A medical intervention respects the dignity of persons when it seeks to assist the conjugal act in order to enable it to achieve its objective once it has been normally performed
- E) A medical intervention respects the dignity of persons when it seeks to assist the conjugal act either in order to facilitate its performance or in order to enable it to achieve its objective once it has been normally performed

2981 How is homologous artificial insemination to be evaluated from the moral point of view? (cfr. "Donum vitae", II. 6)

- A) Homologous artificial insemination within marriage cannot be admitted, except for those cases in which the technical means are a substitute for the conjugal act
- B) Homologous artificial insemination within marriage can never be admitted
- C) Homologous artificial insemination within marriage is always admitted, especially when it serves as an expression of authentic conjugal love
- D) Homologous artificial insemination within marriage cannot be admitted, except for those cases in which the technical means are not a substitute for the conjugal act but serve to facilitate and to help so that the act attains its natural purpose
- E) Homologous artificial insemination can be admitted, except for those cases in which the technical means are not a substitute for the conjugal act but serve to facilitate and to help so that it is possible to achieve products of conception that are conform to the legitimate wishes of the parents

2982 Which are the two fundamental values connected with the techniques of artificial human procreation, on which moral judgment on such methods must be formulated (cfr. "Donum vitae", Introduction, 4)?

- A) The life of the human being called into existence and the special nature of the transmission of human life in marriage
- B) The life of the human being called into existence and the couple's procreative intentionality
- C) The life of the human being called into existence and the feasibility of the techniques of artificial procreation
- D) The life of the embryo from the second month of gestation and the special nature of the transmission of human life in marriage
- E) The life of the human being called into existence and the special nature of the transmission of human life in a couple living together

2983 What is the fundamental ethical criterion in order to assess moral problems that are posed in regards to interventions on the human embryo (cfr. "Instruction Donum Vitae on respect of human life in its origin and on the dignity of procreation" - 1987, I.1)?

- A) "The fruit of human generation, from the first moment of its existence, that is to say from the moment the zygote has formed, demands the unconditional respect that is morally due to the human being in his bodily and spiritual totality. The human being is to be respected and treated as a person since the fourth month of pregnancy; and therefore from that moment his rights as a person must be recognized, among which in the first place is the inviolable right of every innocent human being to life."
- B) "The fruit of human generation, from the first moment of its existence, that is to say from the moment the zygote has formed, demands the unconditional respect that is morally due to the human being in his spiritual totality. The human being is to be respected and treated as a person from the moment of conception; and therefore from that same moment his rights as a person must be recognized, among which in the first place is the inviolable right of every innocent human being to life."
- C) "The fruit of human generation, from the first moment of its existence, that is to say from the moment the zygote has formed, demands the unconditional respect that is morally due to the human being in his bodily totality. The human being is to be respected and treated as a person from the moment of conception; and therefore from that same moment his rights as a person must be recognized, among which in the first place is the inviolable right of every innocent human being to life."
- D) "The fruit of human generation, from the first moment of its existence, that is to say from the moment the zygote has formed, demands the unconditional respect that is morally due to the human being in his bodily and spiritual totality. The human being is to be respected and treated as a person since his implantation in the uterus; and therefore only from that same moment his rights as a person must be recognized, among which in the first place is the inviolable right of every innocent human being to life."
- E) "The fruit of human generation, from the first moment of its existence, that is to say from the moment the zygote has formed, demands the unconditional respect that is morally due to the human being in his bodily and spiritual totality. The human being is to be respected and treated as a person from the moment of conception; and therefore from that same moment his rights as a person must be recognized, among which in the first place is the inviolable right of every innocent human being to life."

2984 What it is the meaninf the word "Church"?

- A) Assembly of the God people
- B) The place where to pray
- C) The reunion of successors of the Apostles
- D) The assembly of saints and martyrs
- E) Those who participate to religious rites

2985 What is the liturgy?

- A) None of other answers is correct
- B) A particular pray to receive blessings
- C) The art in which priests are specialized
- D) Celebration of Mystery of Christ, in particular the Easter
- E) The memory of creation of the world by God

2986 What is the dogma of the Scriptures?

- A) The quintessence of the message
- B) The list of sacred scriptures revealed
- C) The payment of fees for Jewish people
- D) The official edition of the Bible
- E) The measurement of words contained in the Bible

2987 Who can receive the Baptism?

- A) Only adults, because the baptism is a personal choice
- B) All, but they must give an offer to the Church
- C) All children under three years old
- D) All children before the first birthday
- E) Every person not yet baptized

2988 What does it mean that the Eucharist is the memory of the sacrifice of Christ?

- A) It makes the sacrifice of Christ on cross present and contemporary
- B) The words pronounced by Jesus are repeated
- C) It is as Jesus resuscitates again for all of us
- D) It is a way to not forget Jesus
- E) It is the recurring of the Last Supper

2989 What is the moral conscience?

- A) What the guardian angel suggest us
- B) The voice of the Spirit present in every person
- C) The teachings received by parents
- D) None of the other options is correct
- E) The judgement of the intellect on good and evil

2990 Which are the main human virtues?

- A) The ordinal: discipline, courage, strength
- B) The cardinal: prudence, justice, fortitude, temperance
- C) The stable: honesty, simplicity, justice
- D) The numeral: prudence, serenity, calculation
- E) The interior: spontaneity, transparency, fairness

2991 The equality between human beings is based:

- A) on the ancient Mosaic Law
- B) on decrees of the First Vatican Council
- C) on the same needs and abilities
- D) on the same nature and origin
- E) on the decrees of the Council of Trent

2992 The fifth Commandment forbids:

- A) to desire your neighbor's wife
 - B) the disrespect to parents
 - C) the use of violence in general
 - D) to tell the false witness
 - E) to kill
-

2993 Which is the plan of God for human being?

- A) To let him share in bliss of God
 - B) To satisfy all his wishes
 - C) To make him obedient
 - D) To make him ruler of universe
 - E) To let him live
-

2994 Which is the place of human being in the Creation?

- A) After the monkeys
 - B) Before the woman
 - C) In the evolution of animal kingdom
 - D) At the base of the Creation
 - E) At the vertex of the Creation
-

2995 What is the origin of human dignity?

- A) The participation at the Redemption made by Christ
 - B) The Creation in image and likeness of God
 - C) The recognition to be a part of the Created made by a unique Creator
 - D) The rejection of animal instincts
 - E) The ability of invention and initiative
-

2996 When the action is morally good?

- A) When the circumstances make the action good
 - B) When the object, the intention and the circumstances are good
 - C) When the aim is good
 - D) When the object of the action is good
 - E) When the result is good
-

2997 What is the common good?

- A) What lets us realize ourselves
 - B) The contents of divine law
 - C) The good of majority
 - D) The good of honest people
 - E) What is indicated in the social doctrine of the Church
-

2998 When the regulation of birth is ethical?

- A) When the couple decides it freely
 - B) When it is not obliged but made for right reasons and with compliant methods
 - C) When there are other expenses
 - D) When there are at least two sons
 - E) When the law imposes it
-

2999 Why is it so important to affirm: “At the beginning God created the heavens and the earth” (The Gospel of St. John 1.1)?

- A) To confirm the Jewish beliefs
 - B) To contradict the science
 - C) To distinguish themselves from other religions
 - D) Because it is the foundation of the project of salvation
 - E) To understand the meaning and the value of the universe
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3000 What is the content of the social doctrine of the Church?

- A) The social dimension of evangelical truths
- B) The policy of the State and the Church
- C) The political program of Catholics
- D) The requests by Vatican to laic States
- E) The Catholic party