

Non-verbal reasoning, mechanical comprehension and IQ tests

If you have been searching for help to prepare for this type of test then you have found it. All you now have to do is settle down somewhere quiet and get practising. Very soon you will be much faster at answering these questions and achieving a much higher score.

There is little practice material generally available for non-verbal and mechanical comprehension tests so this chapter should prove useful to candidates who face these styles of test. I have included practice questions for IQ tests and identified other titles in the Kogan Page Testing Series where further questions of this type can be obtained.

These styles of questions are not as common as they used to be, but you will still come across them, especially to select for courses of study. In these tests, like all sorts of psychometric test, practice can mean the difference between pass and fail. If you face a test that includes this sort of question then set about a programme of practice using questions provided in this chapter.

Non-verbal reasoning

Below are 100 practice questions for non-verbal reasoning tests. Included are three styles of question: identify the feature in common, complete the non-verbal series, and complete the non-verbal matrix, use them to become more confident, fast and accurate. In many tests the questions are based on rotation where a shape is turned, alternation where a shape changes into something else and is then changed back, consistency where a change is made and is then consistently applied, replacement where a shape or shapes are replaced by others, and attention to detail.

The first 30 examples require you to identify from sample shapes the feature they have in common and then select from suggested answer shapes the answer that shares that feature.

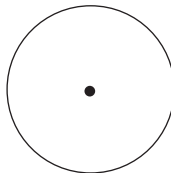
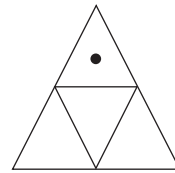
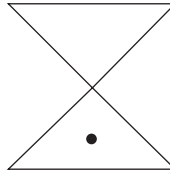
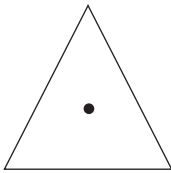
The next 50 questions present a series of shapes and you must decide which of the suggested answers is the next step or the missing step in the series.

The last 20 examples involve rows and columns of shapes and it is your task to identify the missing shape from suggested answer shapes.

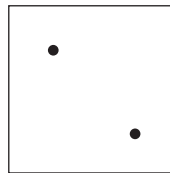
As with most tests, the examples start easy and get harder. Answers and explanations are provided.

Features in common

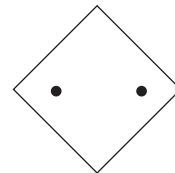
1. Identify the suggested answer shapes that share a feature in common with the question shapes.



A



B

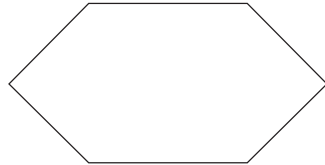
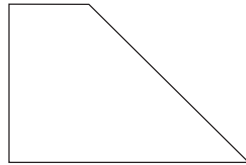
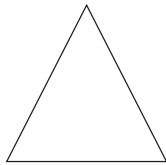
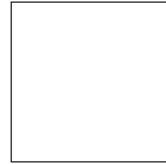
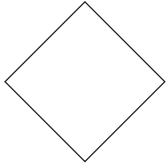


C

Answer

126 Ultimate psychometric tests

2. Identify the suggested answer shapes that share a feature in common with the question shapes.



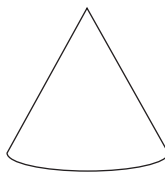
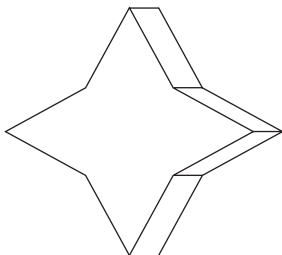
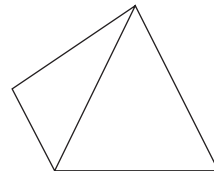
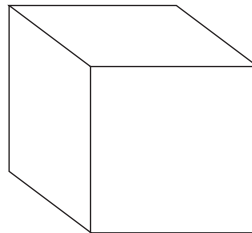
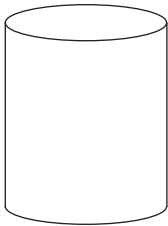
A

B

C

Answer

3. Identify the suggested answer shapes that share a feature in common with the question shapes (the third shape is a triangular-shaped pyramid).



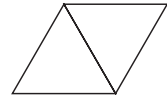
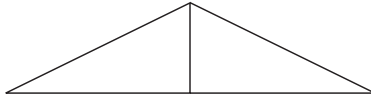
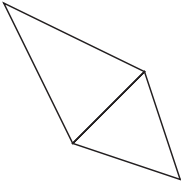
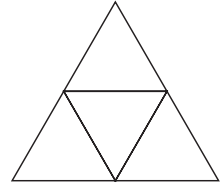
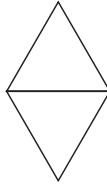
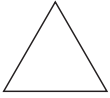
A

B

C

Answer

4. Identify the suggested answer shapes that share a feature in common with the question shapes.



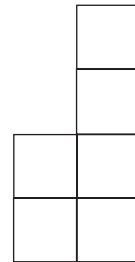
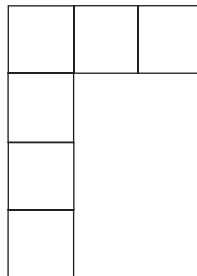
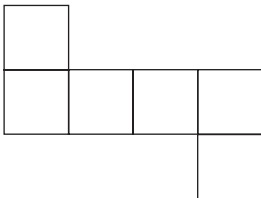
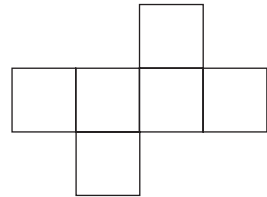
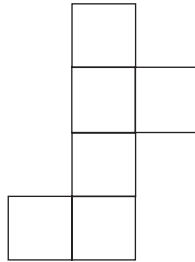
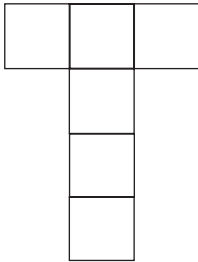
A

B

C

Answer

5. Identify the suggested answer shapes that share a feature in common with the question shapes.



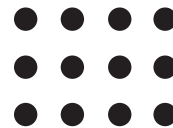
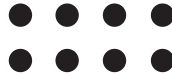
A

B

C

Answer

6. Identify the suggested answer shapes that share a feature in common with the question shapes.



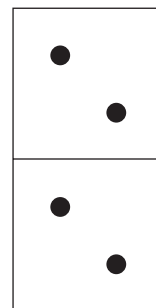
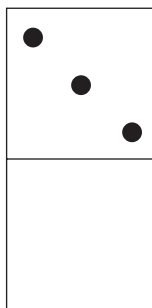
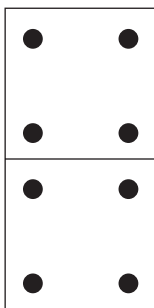
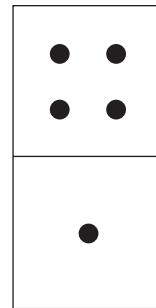
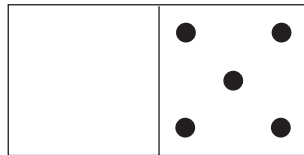
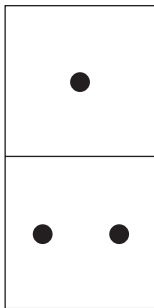
A

B

C

Answer

7. Identify the suggested answer shapes that share a feature in common with the question shapes.



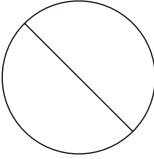
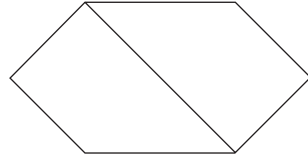
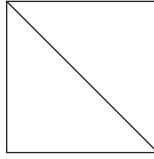
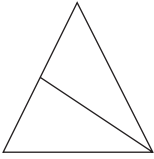
A

B

C

Answer

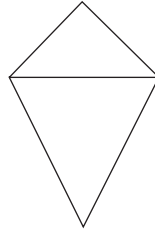
8. Identify the suggested answer shapes that share a feature in common with the question shapes.



A



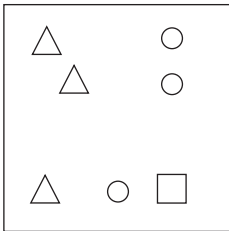
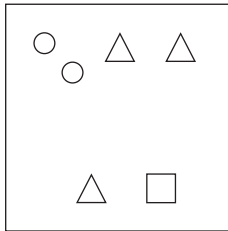
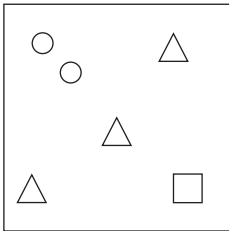
B



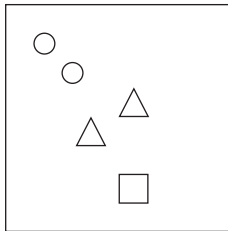
C

Answer

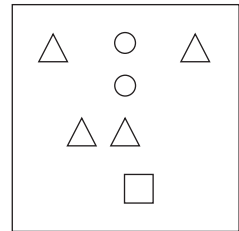
9. Identify the suggested answer shapes that share a feature in common with the question shapes.



A



B

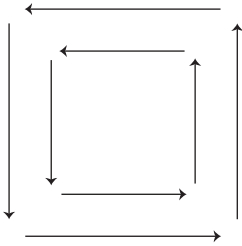
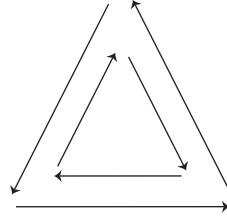
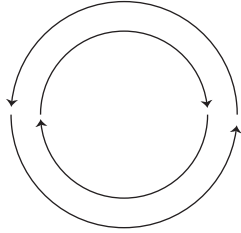


C

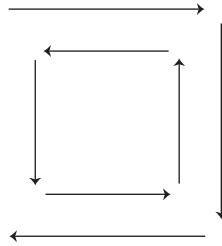
Answer

130 Ultimate psychometric tests

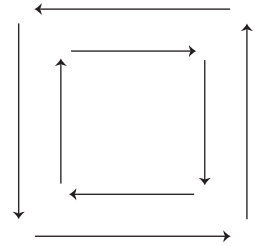
10. Identify the suggested answer shapes that share a feature in common with the question shapes.



A



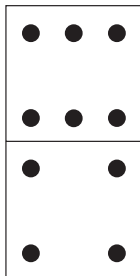
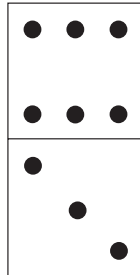
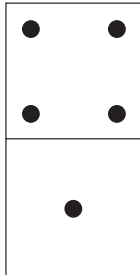
B



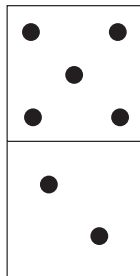
C

Answer

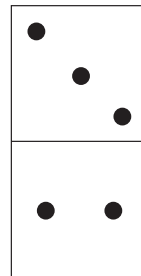
11. Identify the suggested answer shapes that share a feature in common with the question shapes.



A



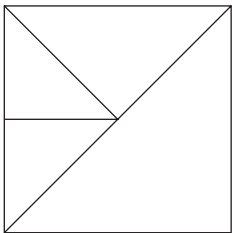
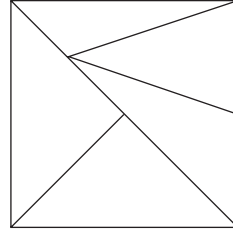
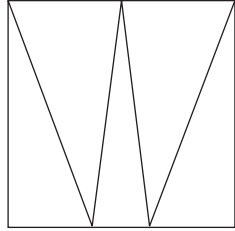
B



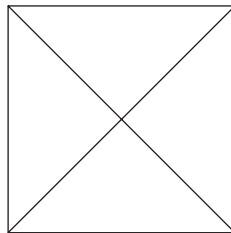
C

Answer

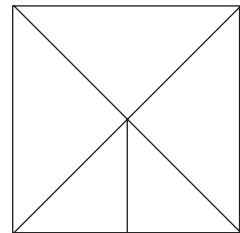
12. Identify the suggested answer shapes that share a feature in common with the question shapes.



A



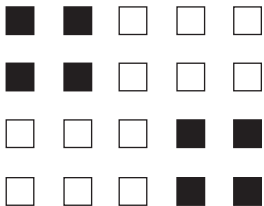
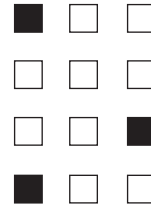
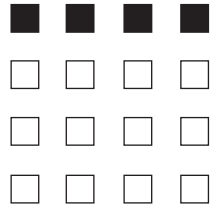
B



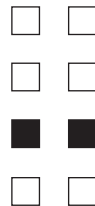
C

Answer

13. Identify the suggested answer shapes that share a feature in common with the question shapes.



A



B

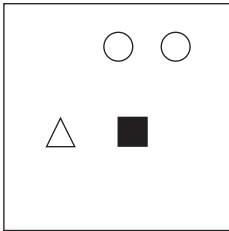
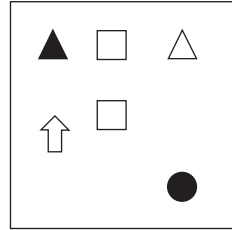
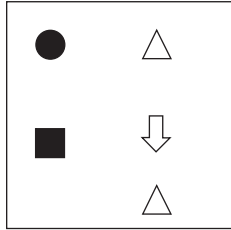


C

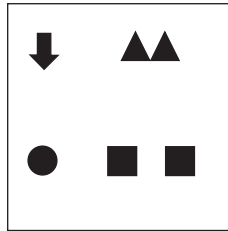
Answer

132 Ultimate psychometric tests

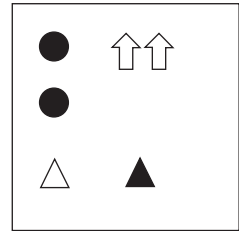
14. Identify the suggested answer shapes that share a feature in common with the question shapes.



A



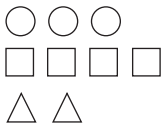
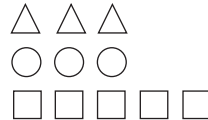
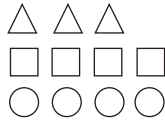
B



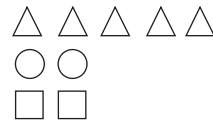
C

Answer

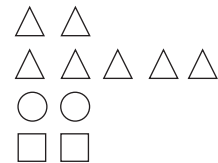
15. Identify the suggested answer shapes that share a feature in common with the question shapes.



A



B



C

Answer

16. Identify the suggested answer shapes that share a feature in common with the question shapes.



A



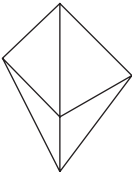
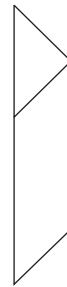
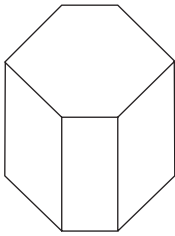
B



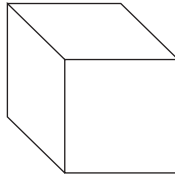
C

Answer

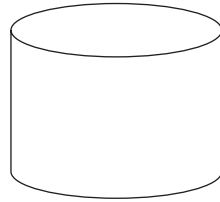
17. Identify the suggested answer shapes that share a feature in common with the question shapes.



A



B

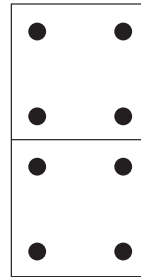
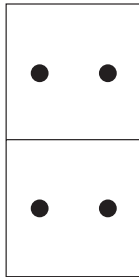
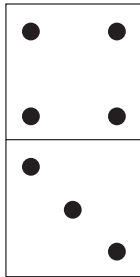
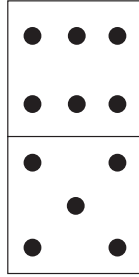
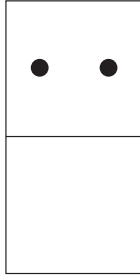


C

Answer

134 Ultimate psychometric tests

18. Identify the suggested answer shapes that share a feature in common with the question shapes.



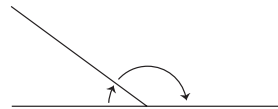
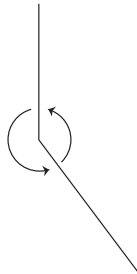
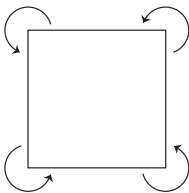
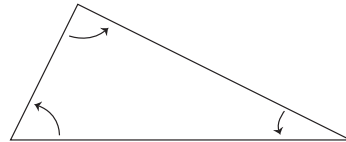
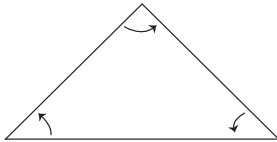
A

B

C

Answer

19. Identify the suggested answer shapes that share a feature in common with the question shapes.



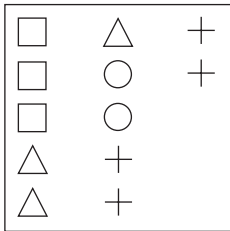
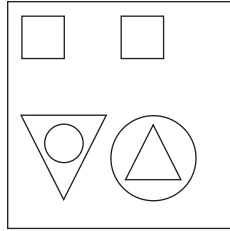
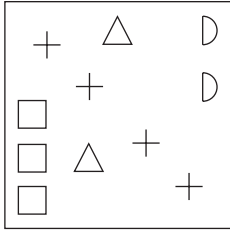
A

B

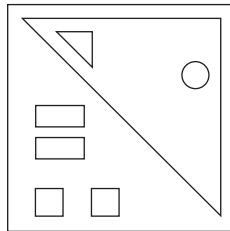
C

Answer

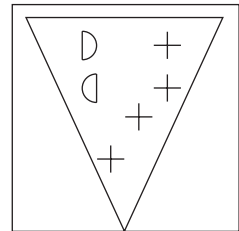
20. Identify the suggested answer shapes that share a feature in common with the question shapes.



A



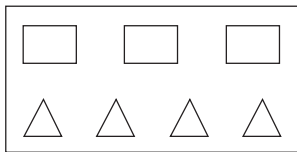
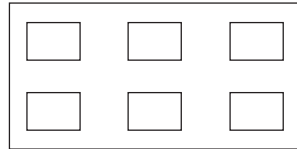
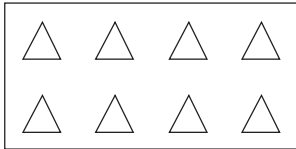
B



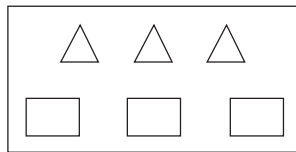
C

Answer

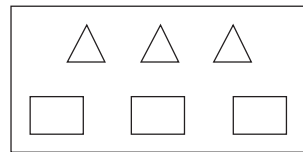
21. Identify the suggested answer shapes that share a feature in common with the question shapes.



A



B

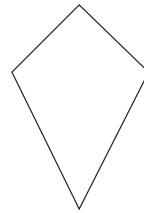
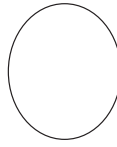
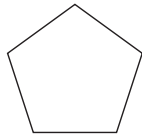
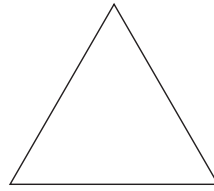
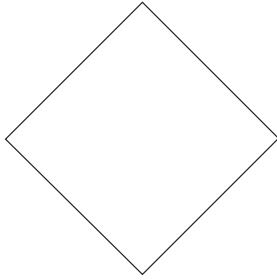


C

Answer

136 Ultimate psychometric tests

22. Identify the suggested answer shapes that share a feature in common with the question shapes.



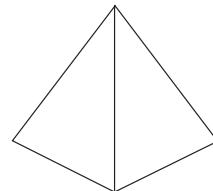
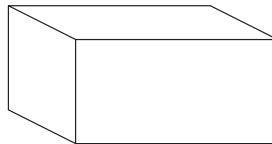
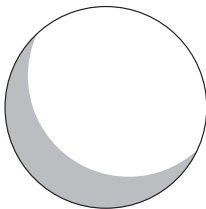
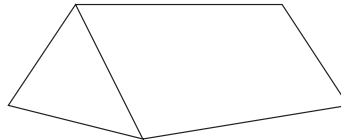
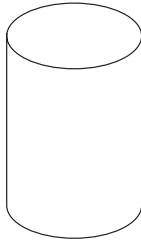
A

B

C

Answer

23. Identify the suggested answer shapes that share a feature in common with the question shapes.



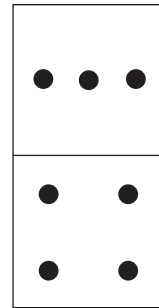
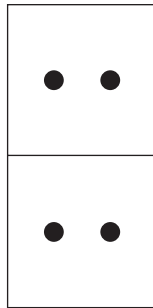
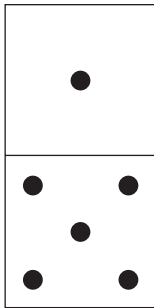
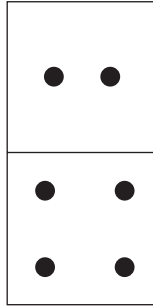
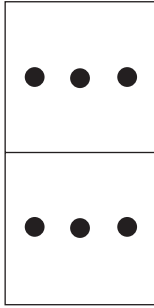
A

B

C

Answer

24. Identify the suggested answer shapes that share a feature in common with the question shapes.



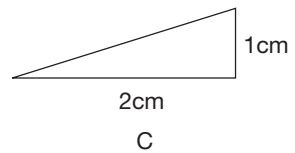
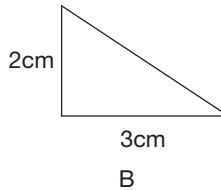
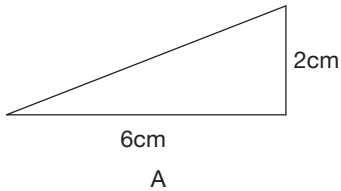
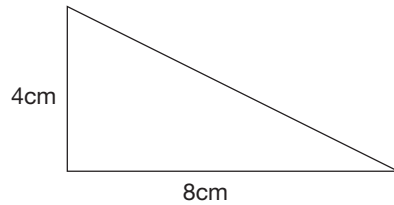
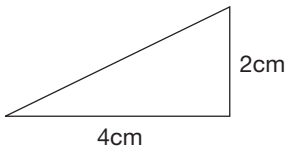
A

B

C

Answer

25. Identify the suggested answer shapes that share a feature in common with the question shapes.



A

B

C

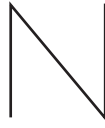
Answer

138 Ultimate psychometric tests

26. Identify the suggested answer shapes that share a feature in common with the question shapes.



A



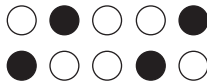
B



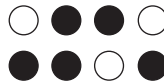
C

Answer

27. Identify the suggested answer shapes that share a feature in common with the question shapes.



A



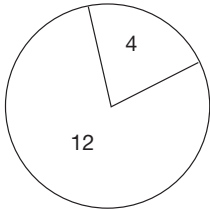
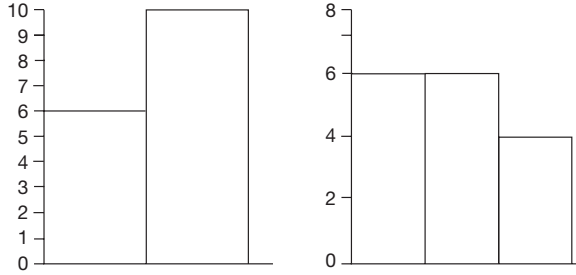
B



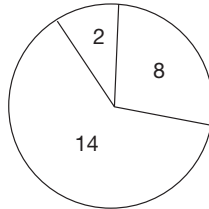
C

Answer

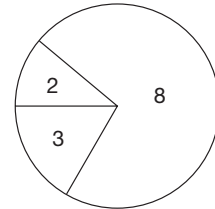
28. Identify the suggested answer shapes that share a feature in common with the question shapes.



A



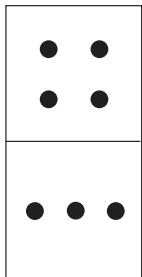
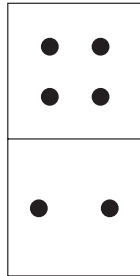
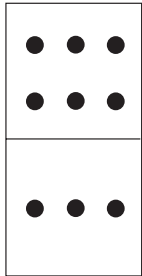
B



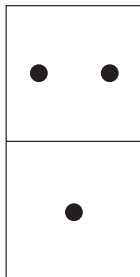
C

Answer

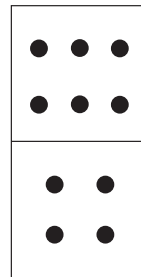
29. Identify the suggested answer shapes that share a feature in common with the question shapes.



A



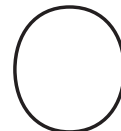
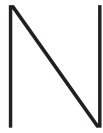
B



C

Answer

30. Identify the suggested answer shapes that share a feature in common with the question shapes.



A

B

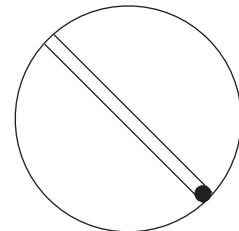
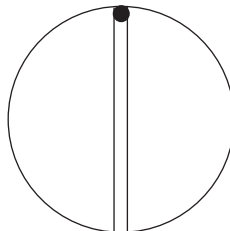
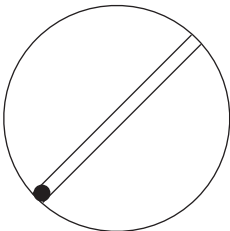
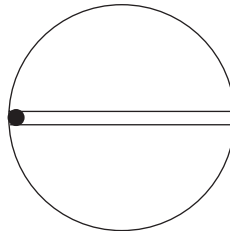
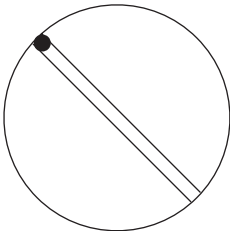
C

Answer

Find the shape that completes the series

The next 50 questions are non-verbal questions where the shape or shapes form a series. It is your task to identify one of the suggested answers as the missing part of the series or the next step in it.

31. Which of the suggested answers is the next step or the missing step in the series?



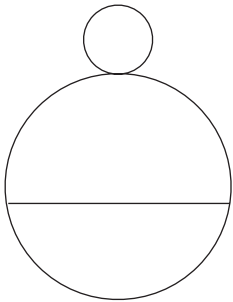
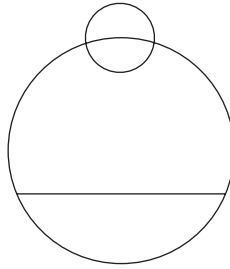
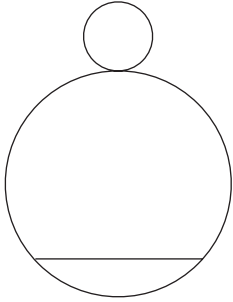
A

B

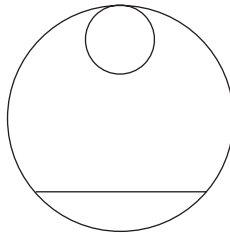
C

Answer

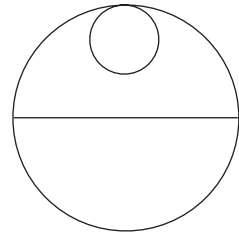
32. Which of the suggested answers is the next step or the missing step in the series?



A



B



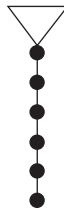
C

Answer

33. Which of the suggested answers is the next step or the missing step in the series?



A



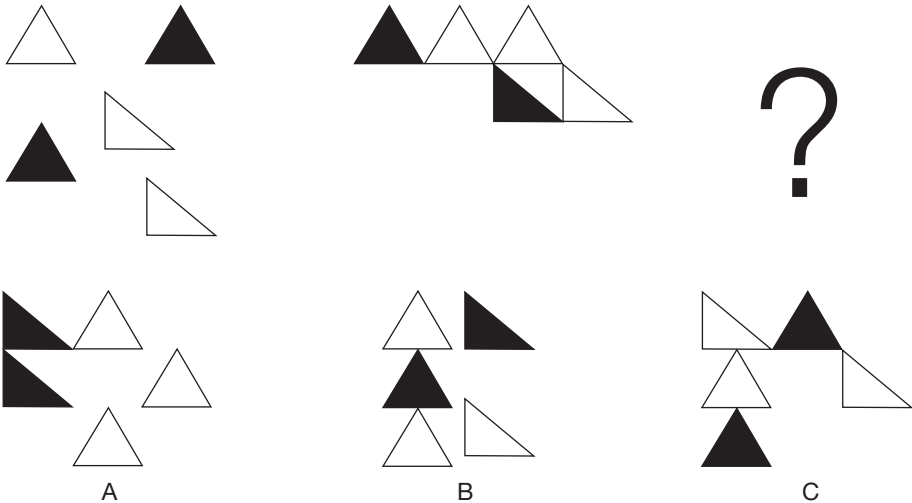
B



C

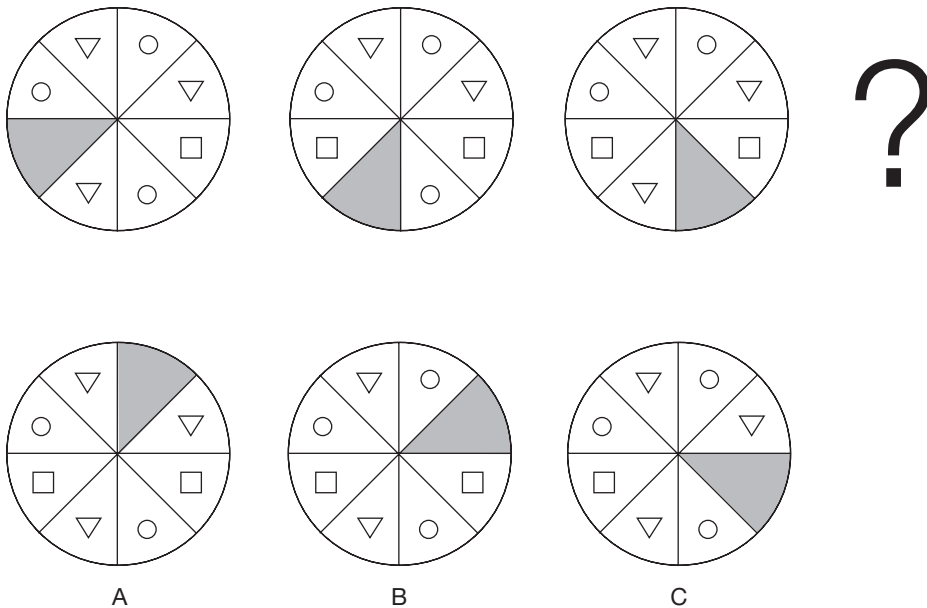
Answer

34. Which of the suggested answers is the next step or the missing step in the series?



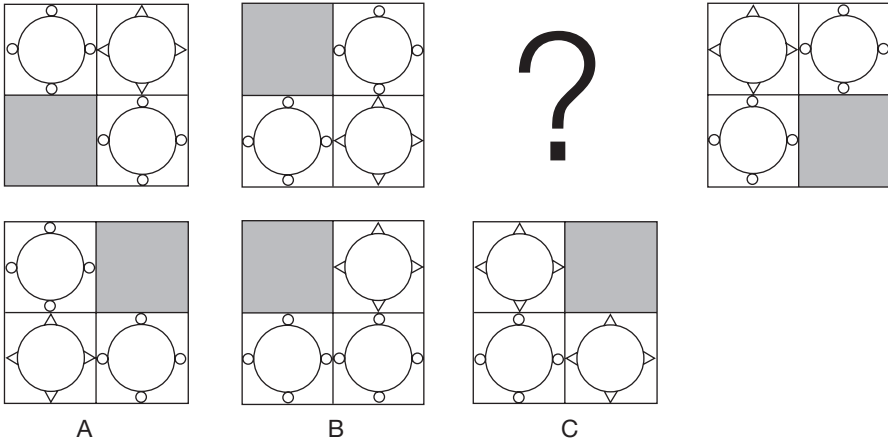
Answer

35. Which of the suggested answers is the next step or the missing step in the series?



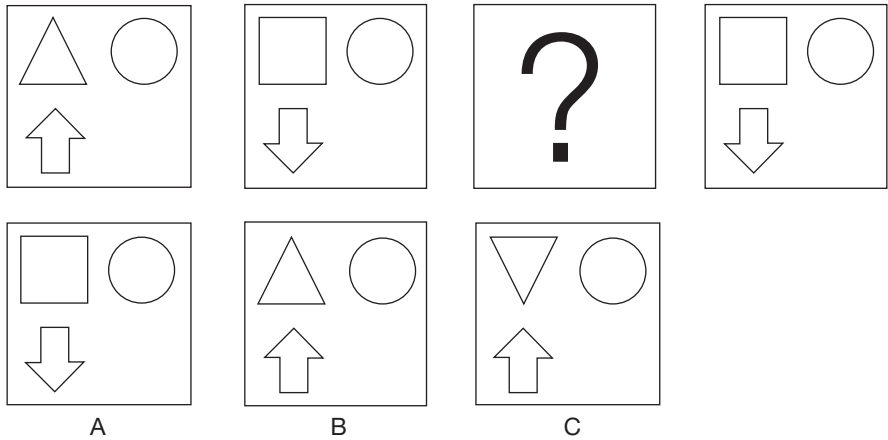
Answer

36. Which of the suggested answers is the next step or the missing step in the series?



Answer

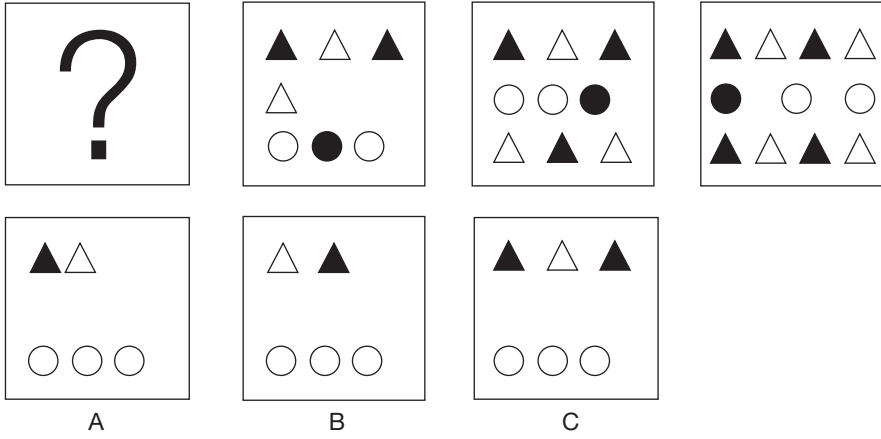
37. Which of the suggested answers is the next step or the missing step in the series?



Answer

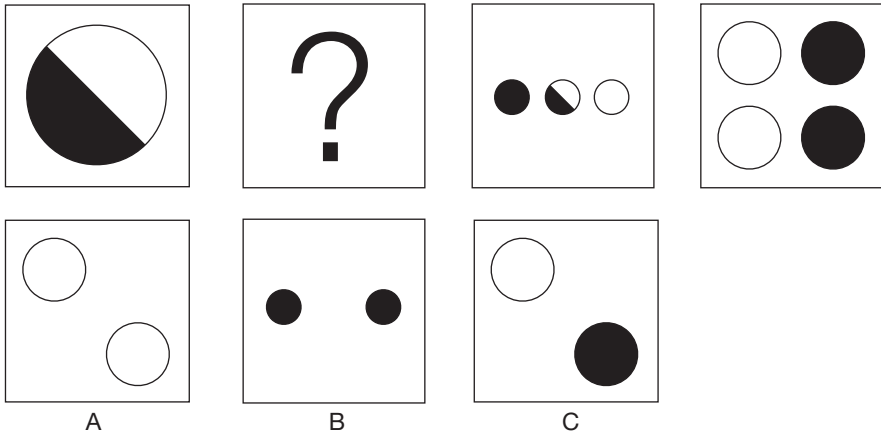
144 Ultimate psychometric tests

38. Which of the suggested answers is the next step or the missing step in the series?



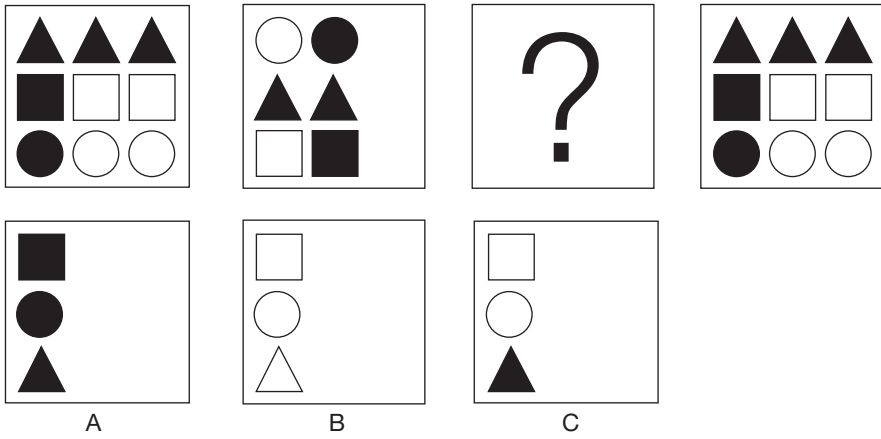
Answer

39. Which of the suggested answers is the next step or the missing step in the series?



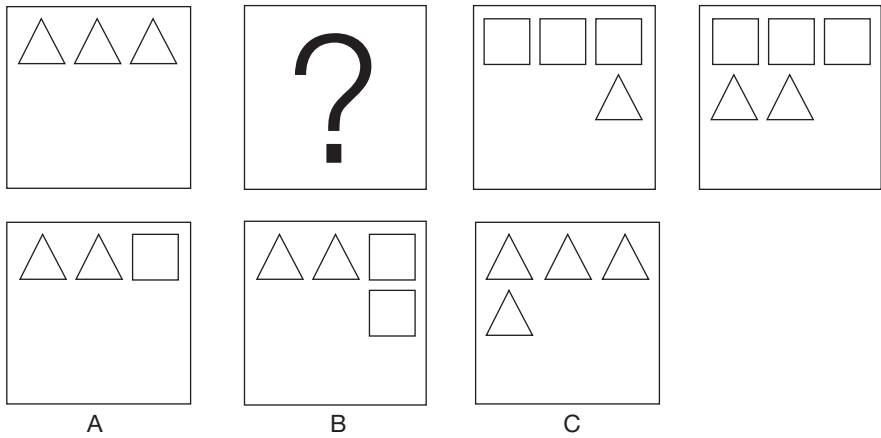
Answer

40. Which of the suggested answers is the next step or the missing step in the series?



Answer

41. Which of the suggested answers is the next step or the missing step in the series?



Answer

146 Ultimate psychometric tests

42. Which of the suggested answers is the next step or the missing step in the series?

| | | | |
|---|---|---|--|
| | | | |
| | | | |
| A | B | C | |

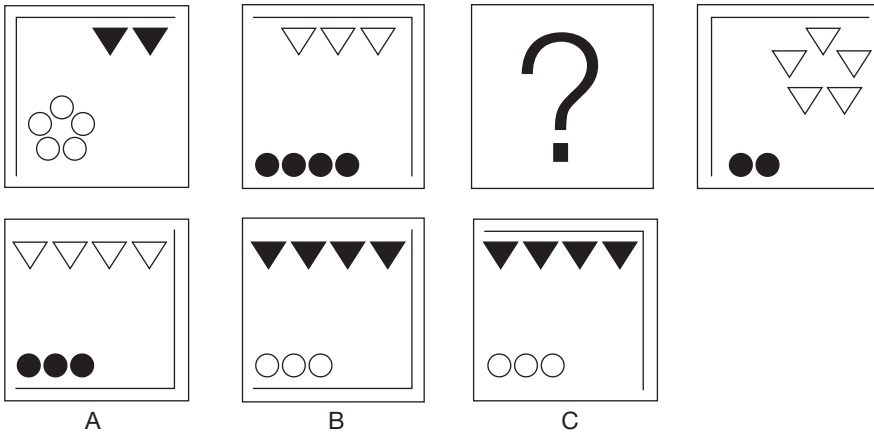
Answer

43. Which of the suggested answers is the next step or the missing step in the series?

| | | | |
|---|---|---|--|
| | | | |
| | | | |
| A | B | C | |

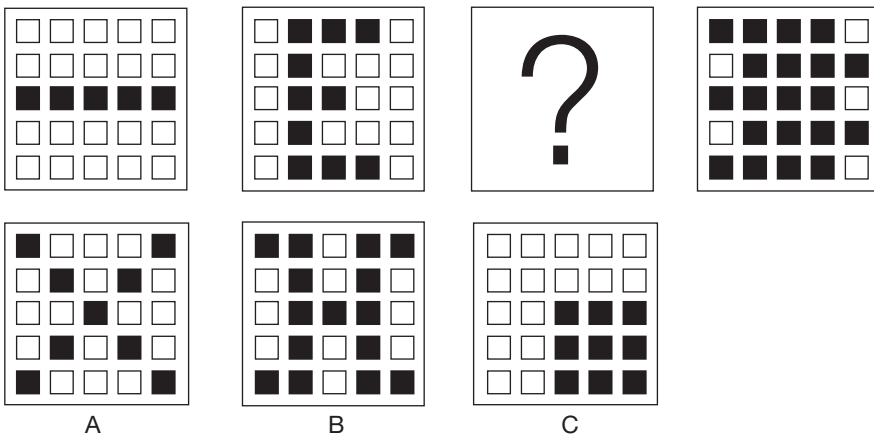
Answer

44. Which of the suggested answers is the next step or the missing step in the series?



Answer

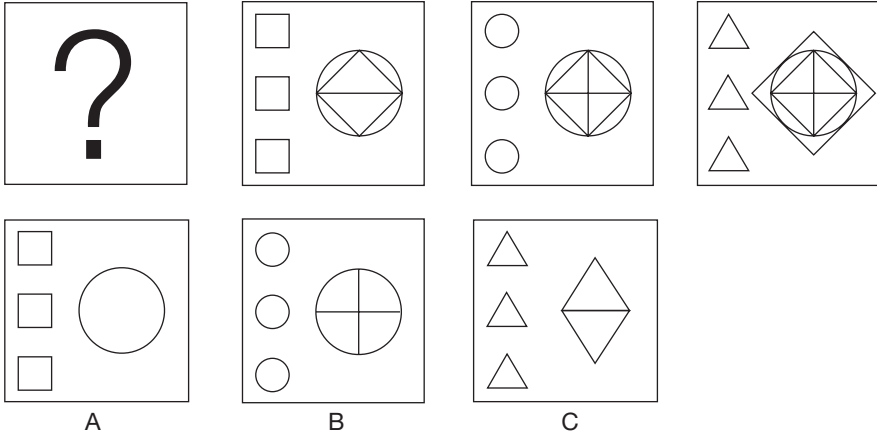
45. Which of the suggested answers is the next step or the missing step in the series?



Answer

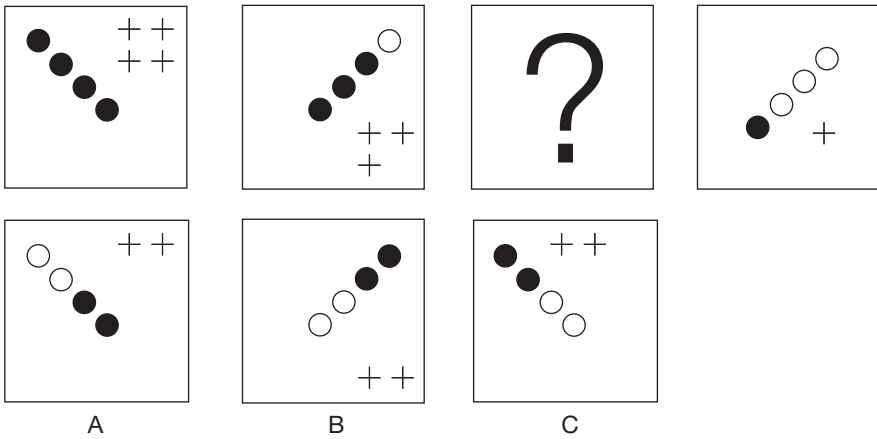
148 Ultimate psychometric tests

46. Which of the suggested answers is the next step or the missing step in the series?



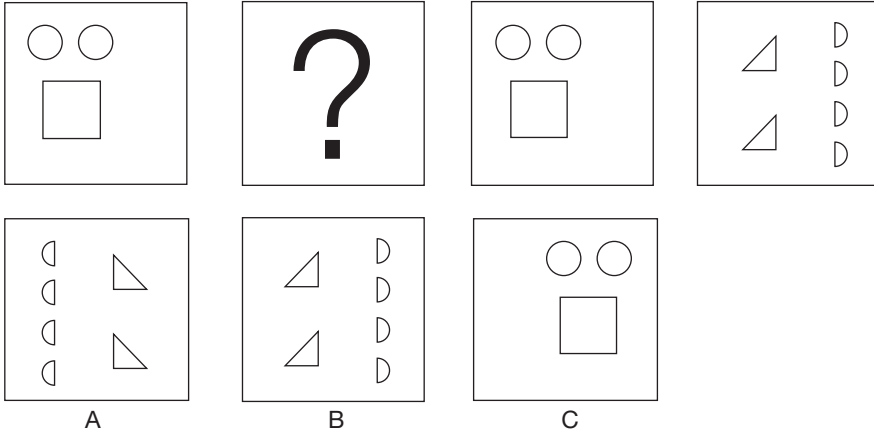
Answer

47. Which of the suggested answers is the next step or the missing step in the series?



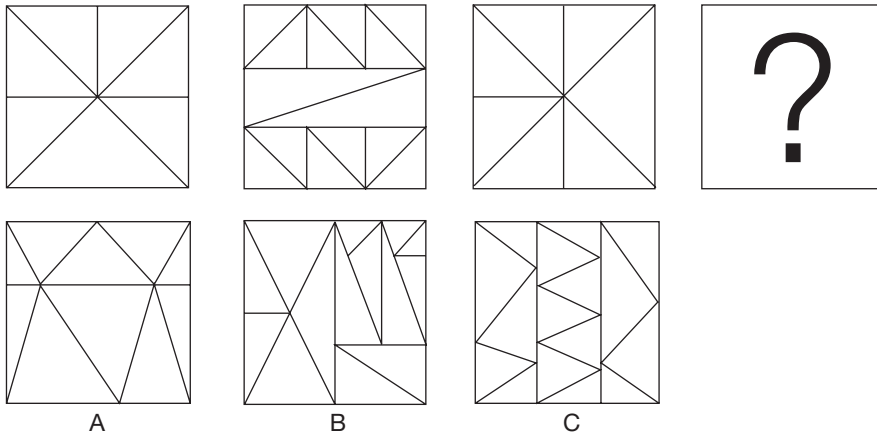
Answer

48. Which of the suggested answers is the next step or the missing step in the series?



Answer

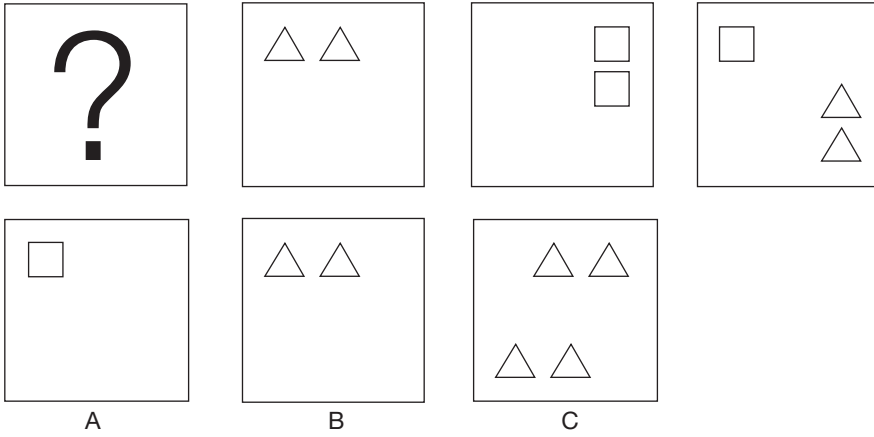
49. Which of the suggested answers is the next step or the missing step in the series?



Answer

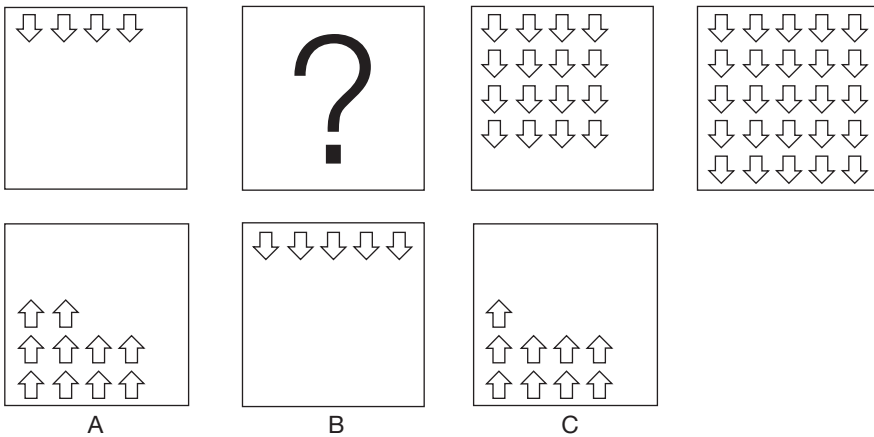
150 Ultimate psychometric tests

50. Which of the suggested answers is the next step or the missing step in the series?



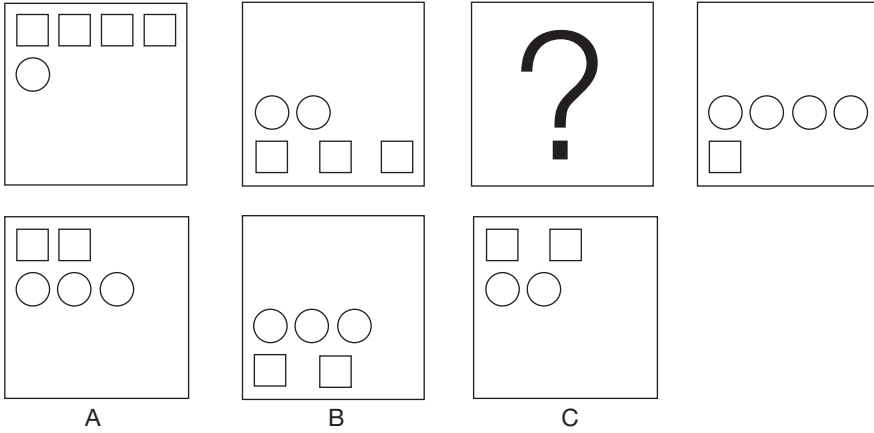
Answer

51. Which of the suggested answers is the next step or the missing step in the series?



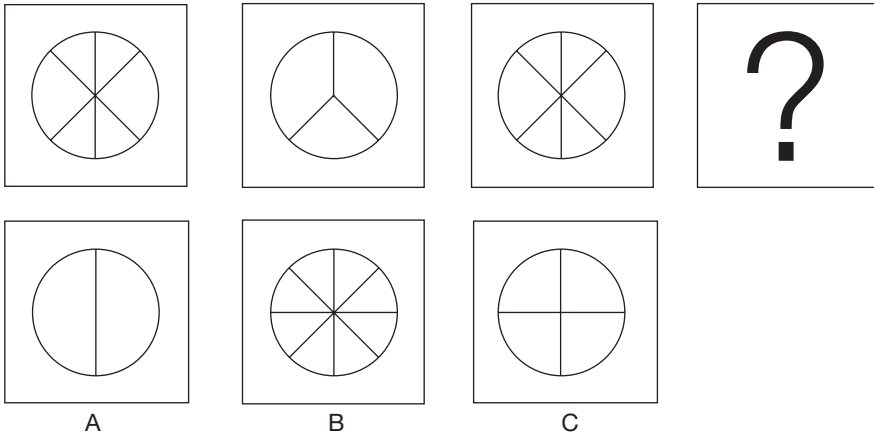
Answer

52. Which of the suggested answers is the next step or the missing step in the series?



Answer

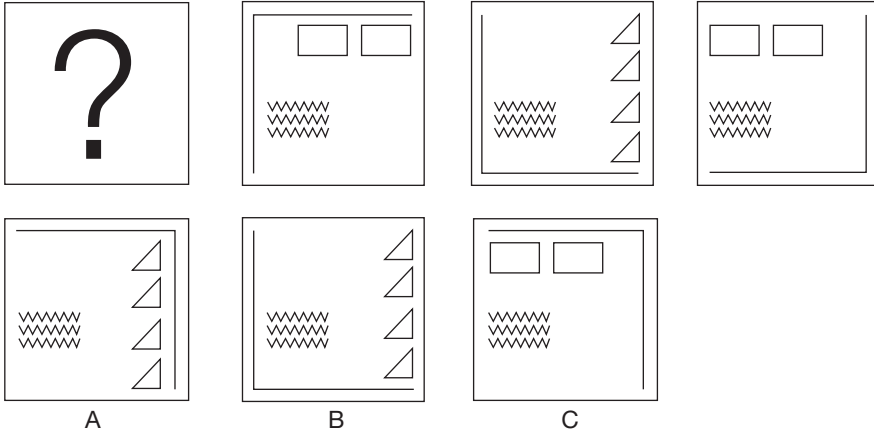
53. Which of the suggested answers is the next step or the missing step in the series?



Answer

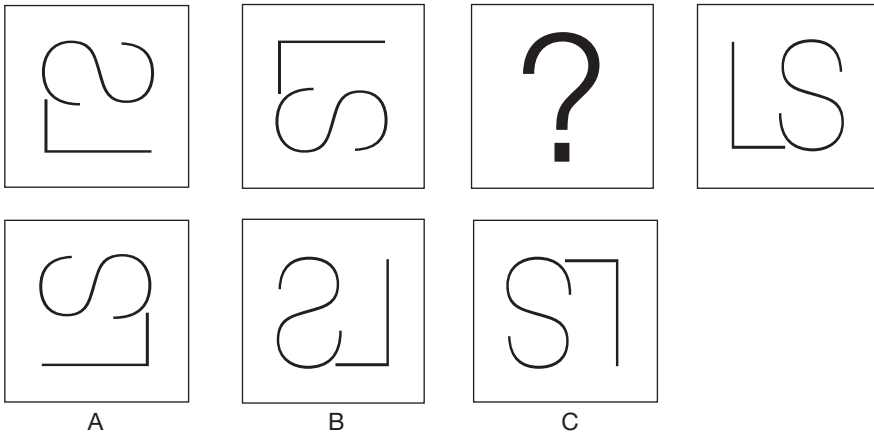
152 Ultimate psychometric tests

54. Which of the suggested answers is the next step or the missing step in the series?



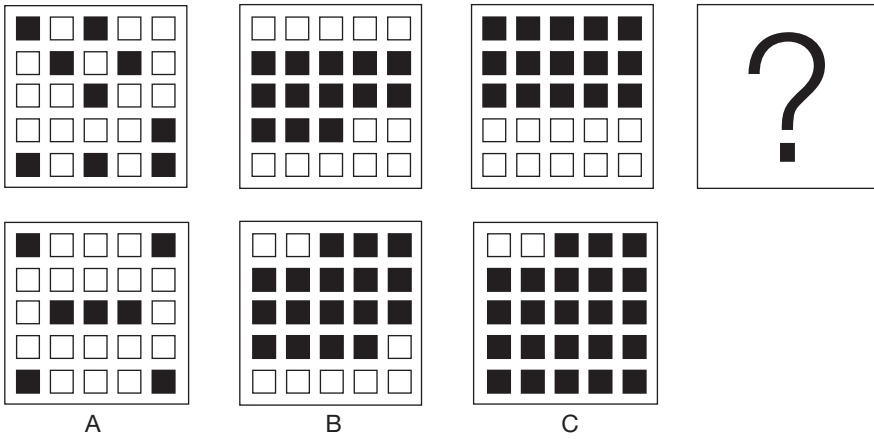
Answer

55. Which of the suggested answers is the next step or the missing step in the series?



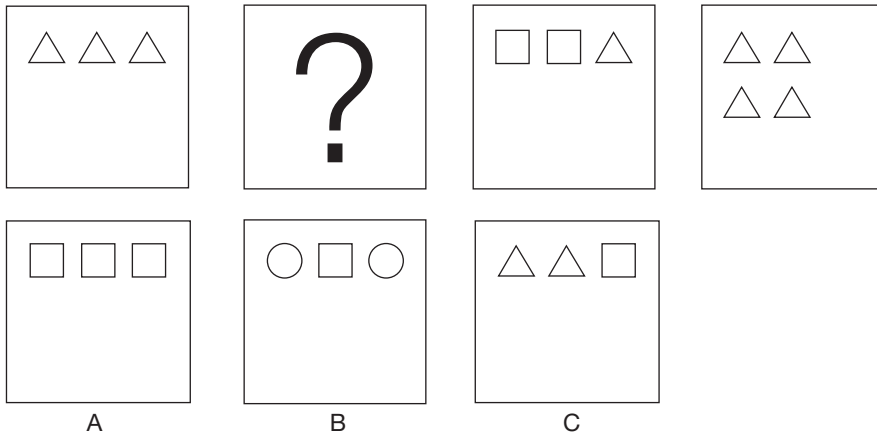
Answer

56. Which of the suggested answers is the next step or the missing step in the series?



Answer

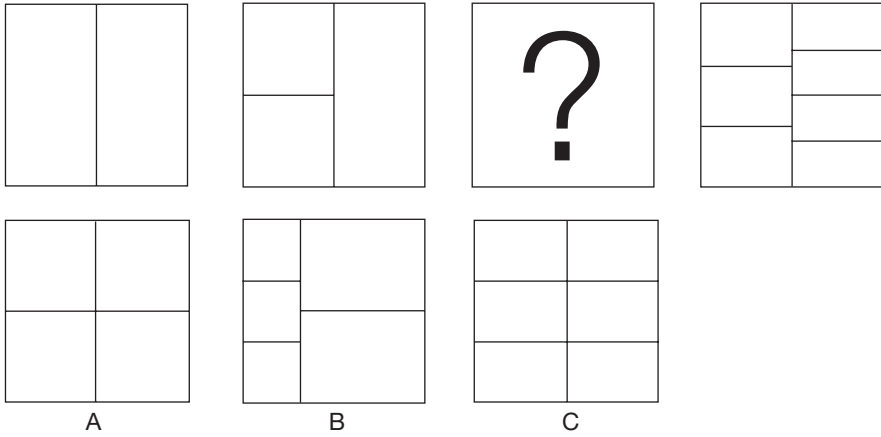
57. Which of the suggested answers is the next step or the missing step in the series?



Answer

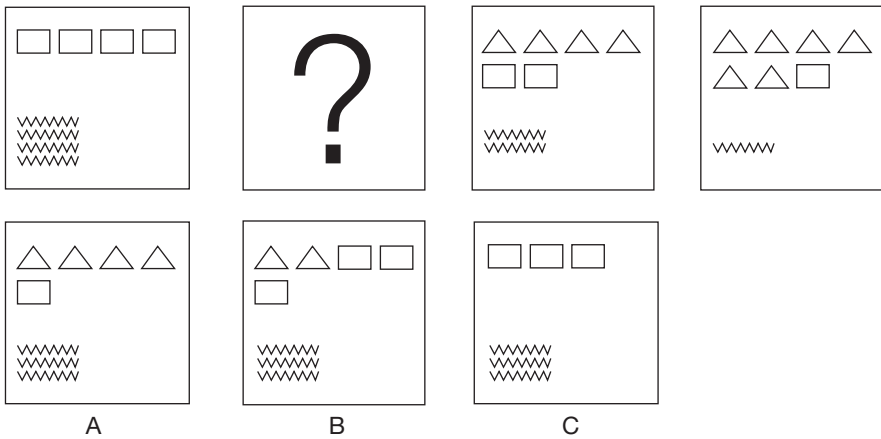
154 Ultimate psychometric tests

58. Which of the suggested answers is the next step or the missing step in the series?



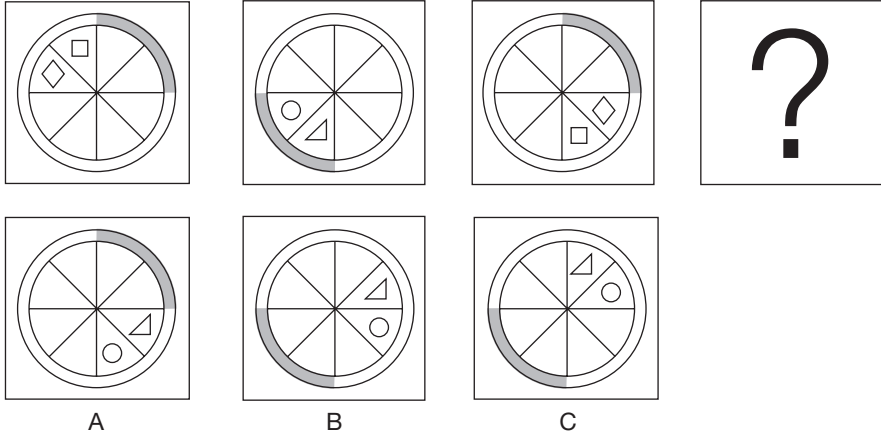
Answer

59. Which of the suggested answers is the next step or the missing step in the series?



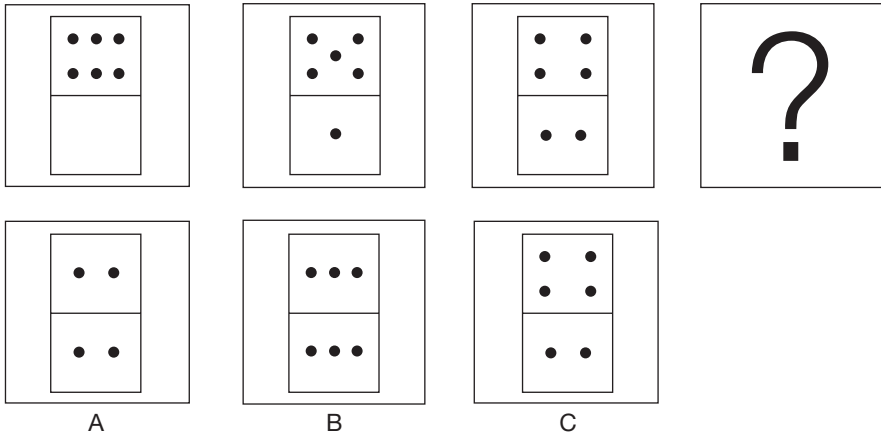
Answer

60. Which of the suggested answers is the next step or the missing step in the series?



Answer

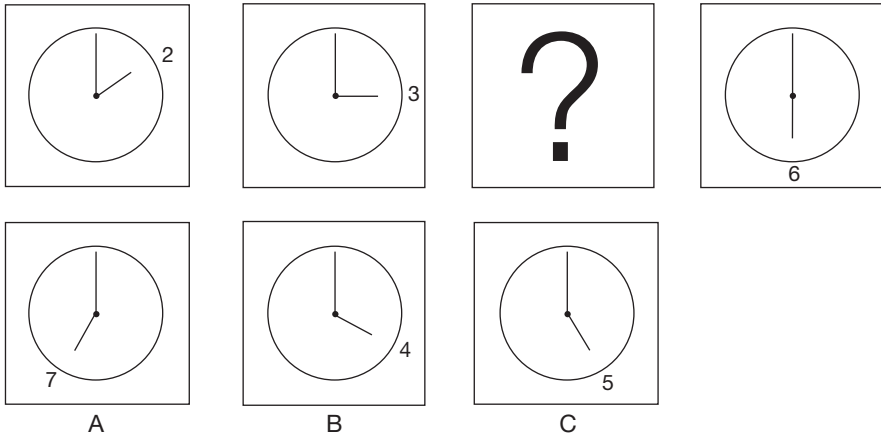
61. Which of the suggested answers is the next step or the missing step in the series?



Answer

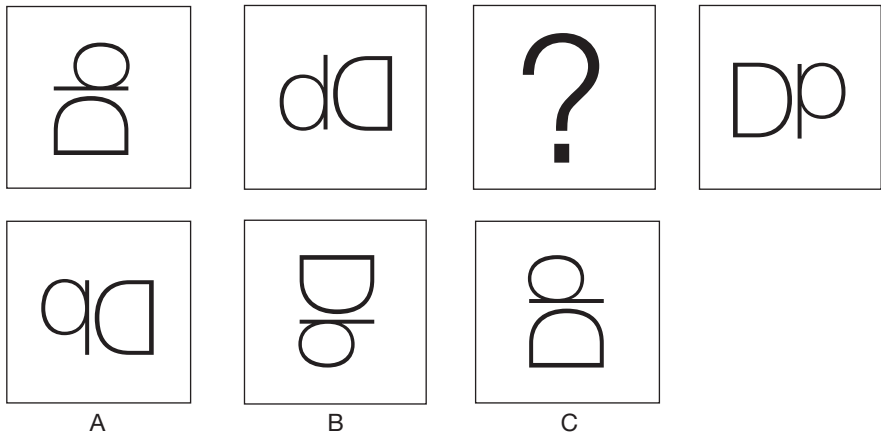
156 Ultimate psychometric tests

62. Which of the suggested answers is the next step or the missing step in the series?



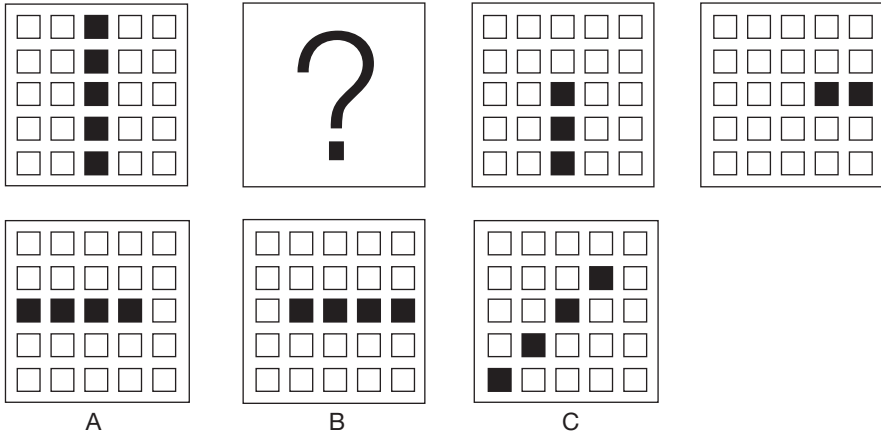
Answer

63. Which of the suggested answers is the next step or the missing step in the series?



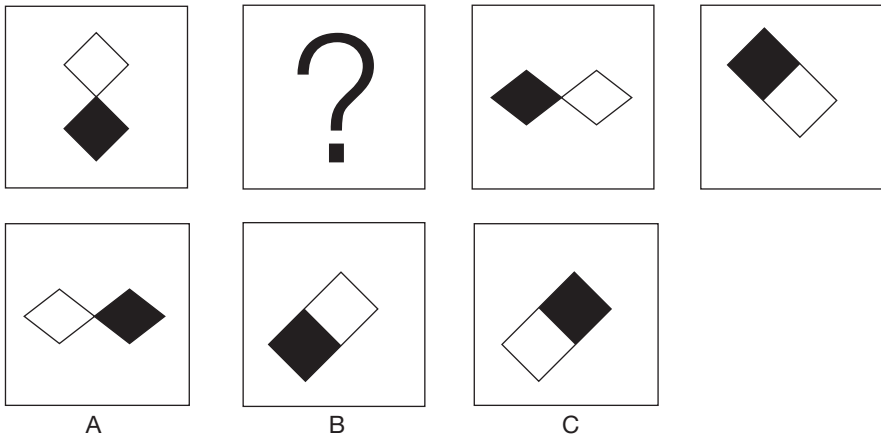
Answer

64. Which of the suggested answers is the next step or the missing step in the series?



Answer

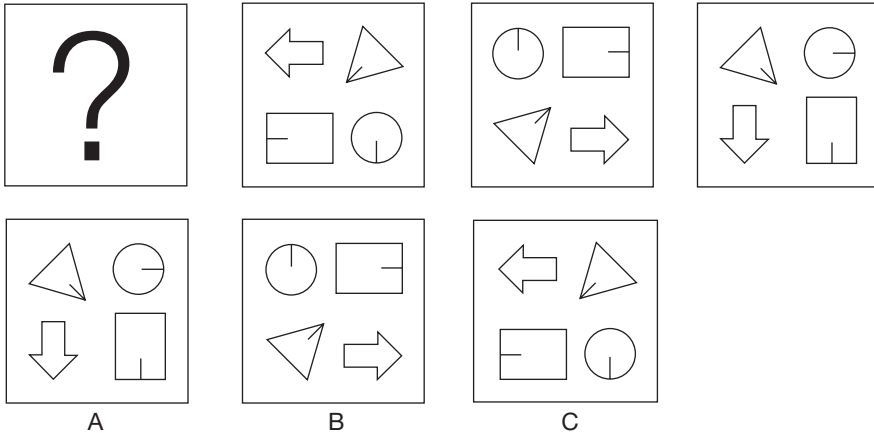
65. Which of the suggested answers is the next step or the missing step in the series?



Answer

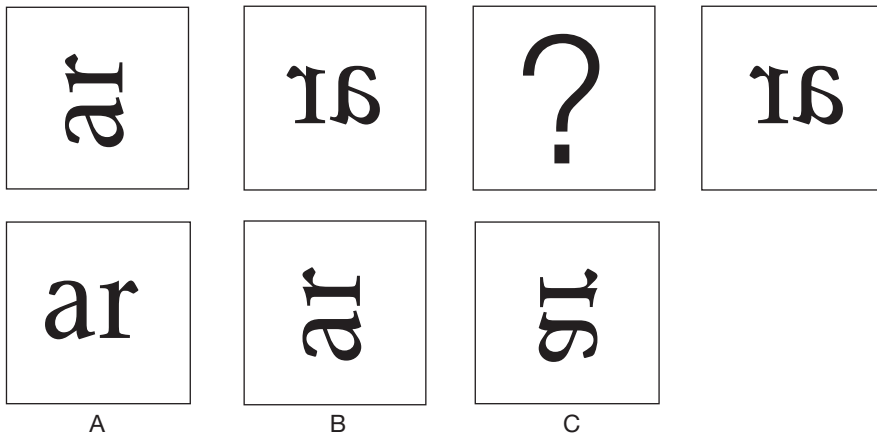
158 Ultimate psychometric tests

66. Which of the suggested answers is the next step or the missing step in the series?



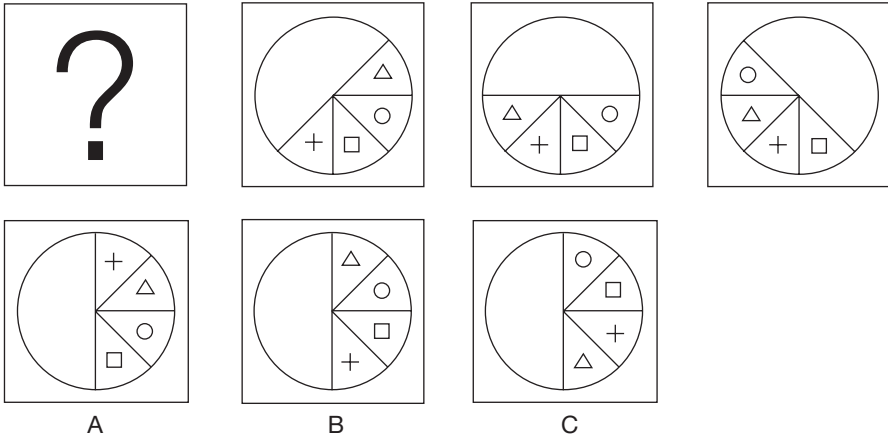
Answer

67. Which of the suggested answers is the next step or the missing step in the series?



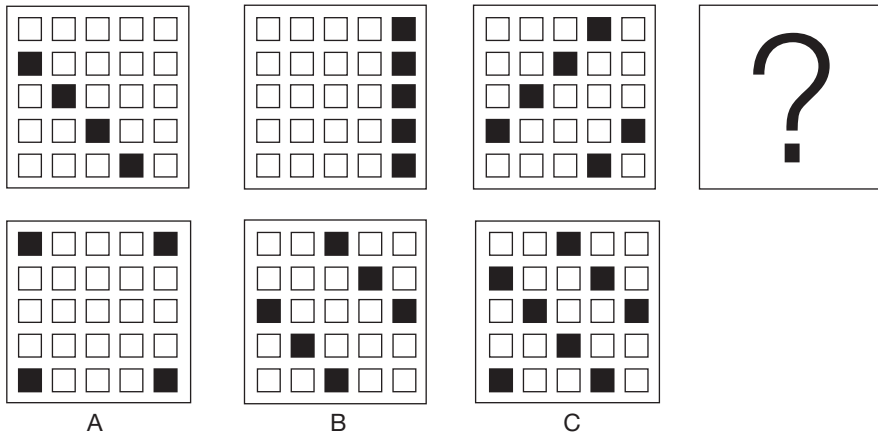
Answer

68. Which of the suggested answers is the next step or the missing step in the series?



Answer

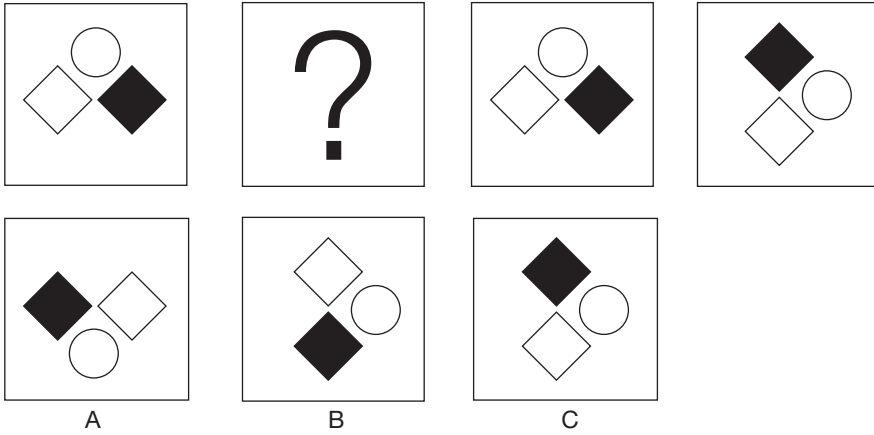
69. Which of the suggested answers is the next step or the missing step in the series?



Answer

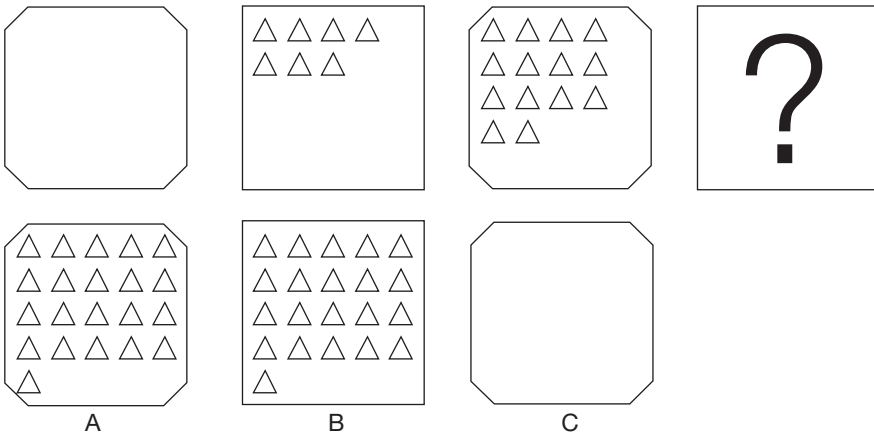
160 Ultimate psychometric tests

70. Which of the suggested answers is the next step or the missing step in the series?



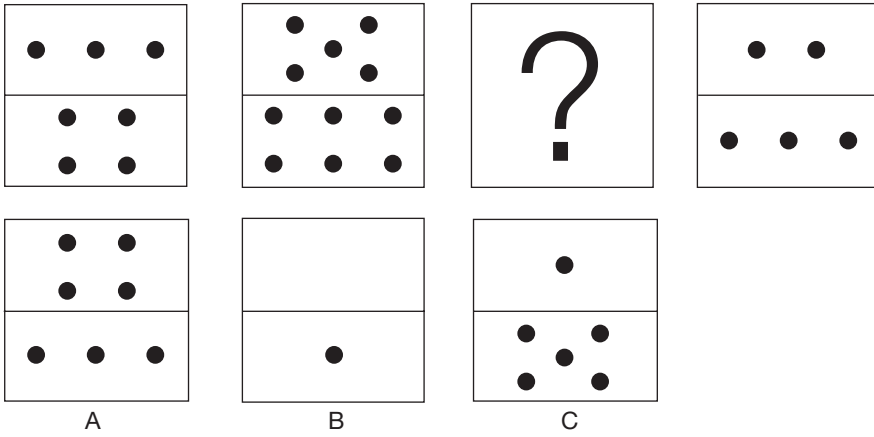
Answer

71. Which of the suggested answers is the next step or the missing step in the series?



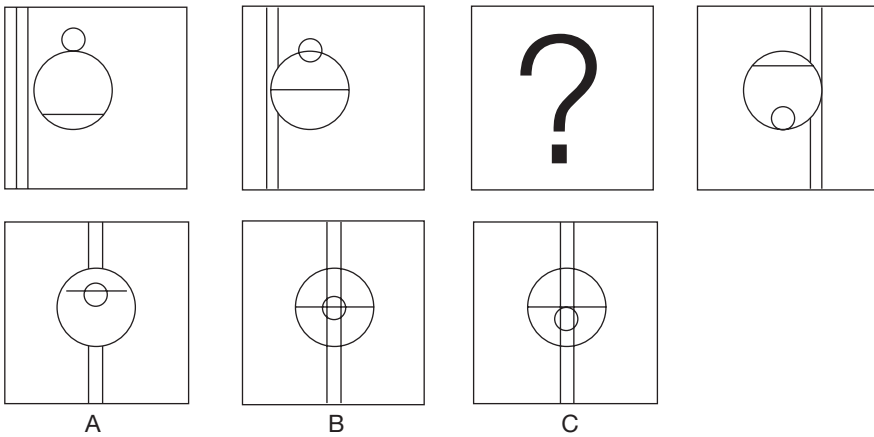
Answer

72. Which of the suggested answers is the next step or the missing step in the series?



Answer

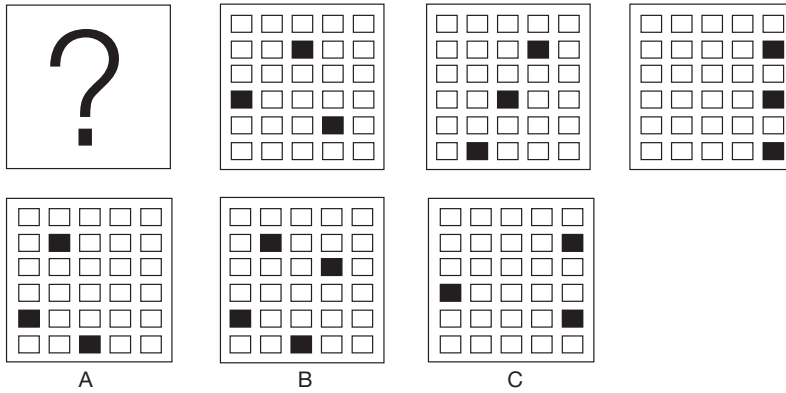
73. Which of the suggested answers is the next step or the missing step in the series?



Answer

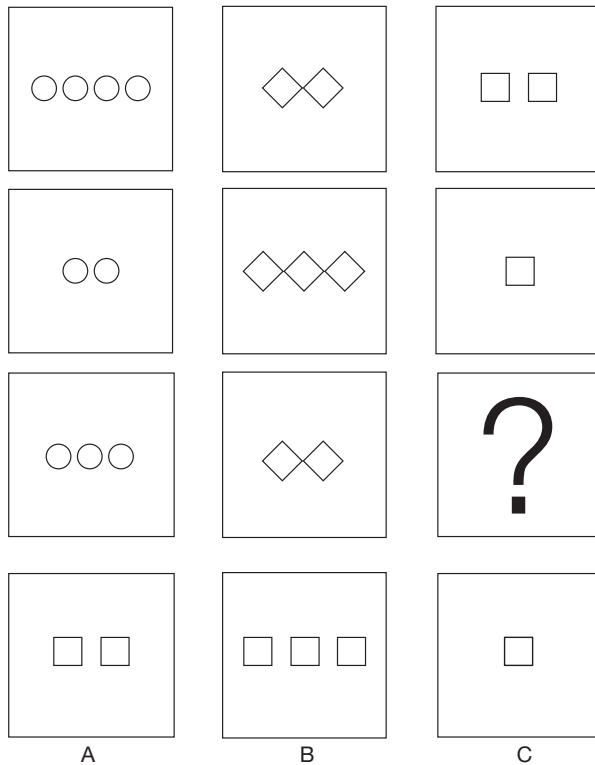
162 Ultimate psychometric tests

74. Which of the suggested answers is the next step or the missing step in the series?



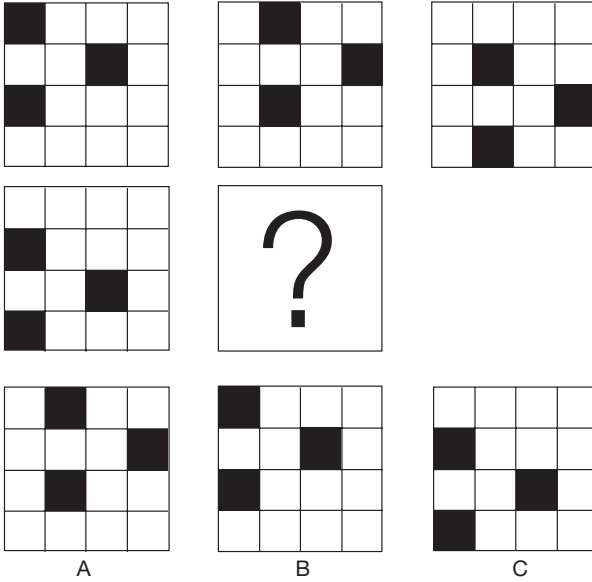
Answer

75. Which of the suggested answers is the next step or the missing step in the series?



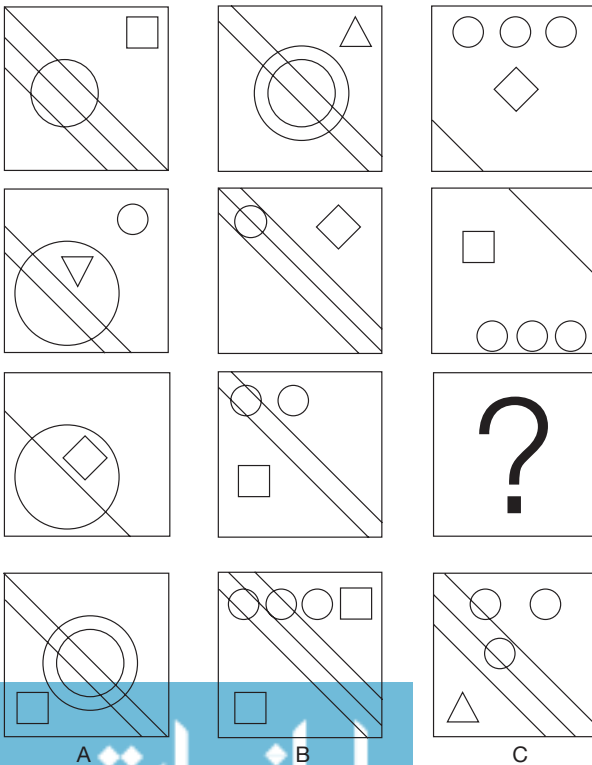
Answer

76. Which of the suggested answers is the next step or the missing step in the series?



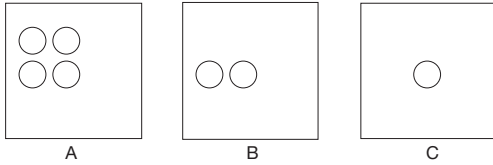
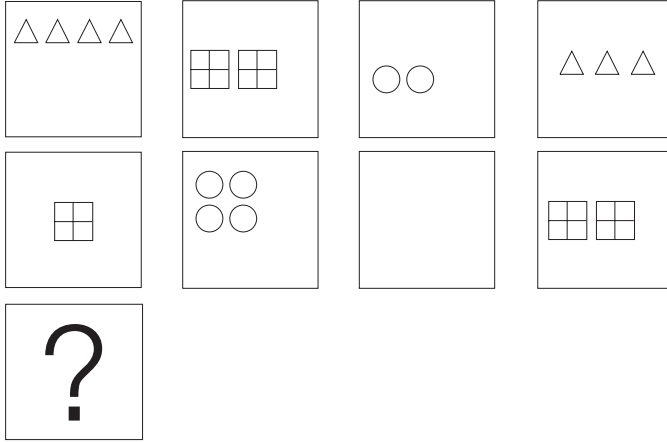
Answer

77. Which of the suggested answers is the next step or the missing step in the series?



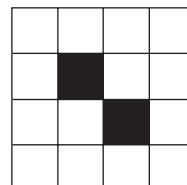
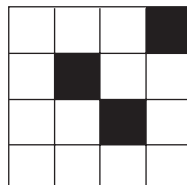
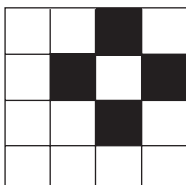
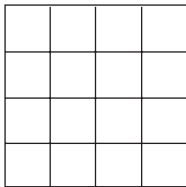
Answer

78. Which of the suggested answers is the next step or the missing step in the series?



Answer

79. Which of the suggested answers is the next step or the missing step in the series?



A

B

C

Answer

80. Which of the suggested answers is the next step or the missing step in the series?

| | | | |
|--|--|--|--|
| | | | |
| | | | |
| | | | |
| | | | |

A

B

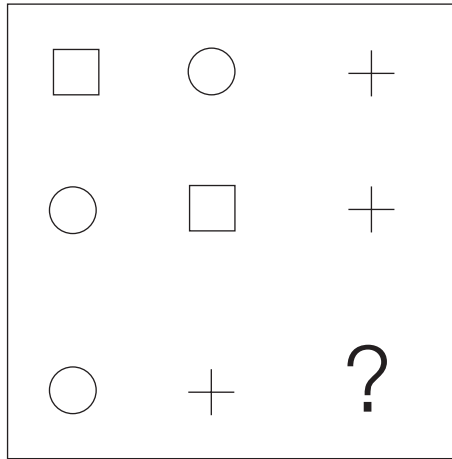
C

Answer

Completing the series in columns and rows

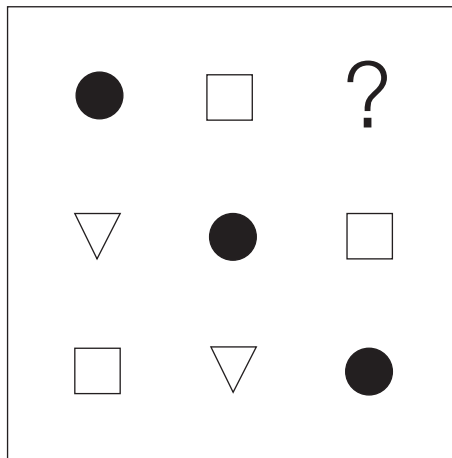
This style of question requires the series to be continued either horizontally or vertically or both. There are 20 examples with answers and explanations.

81. Identify the suggested answer that correctly completes the series.



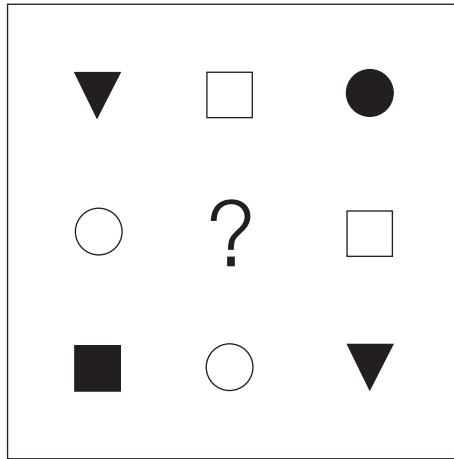
Answer

82. Identify the suggested answer that correctly completes the series.



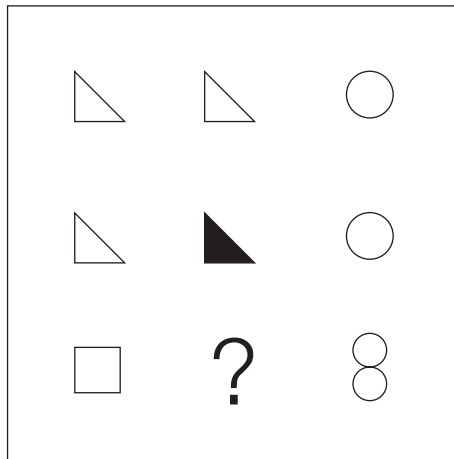
Answer

83. Identify the suggested answer that correctly completes the series.



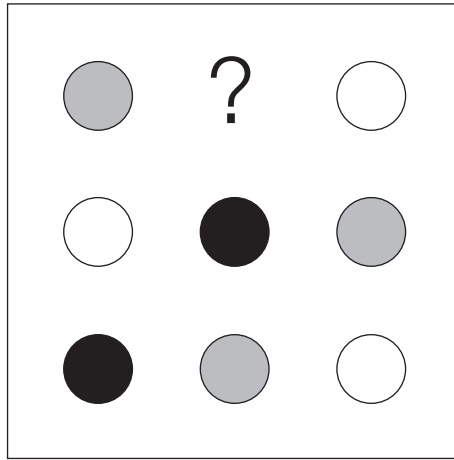
Answer

84. Identify the suggested answer that correctly completes the series.



Answer

85. Identify the suggested answer that correctly completes the series.



A



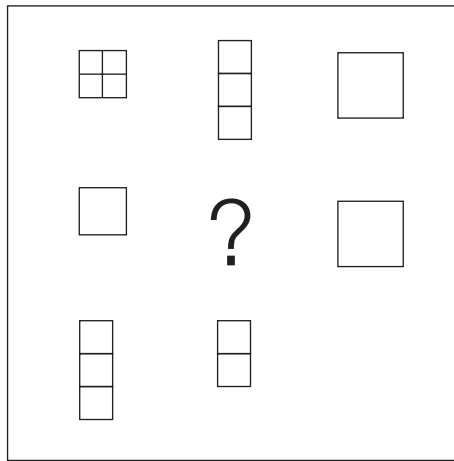
B



C

Answer

86. Identify the suggested answer that correctly completes the series.



A



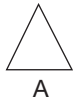
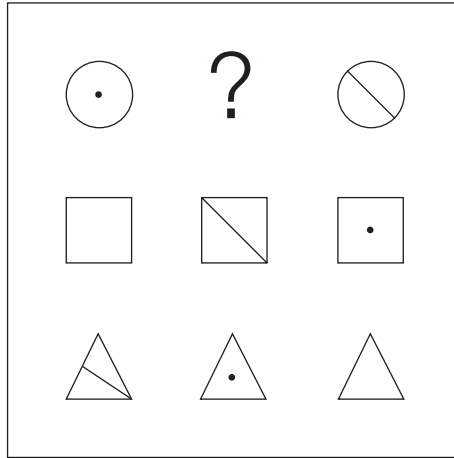
B



C

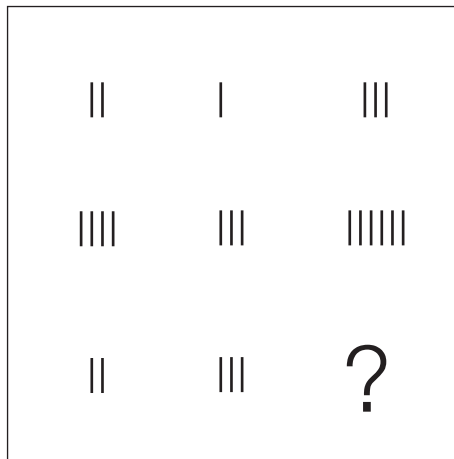
Answer

87. Identify the suggested answer that correctly completes the series.



Answer

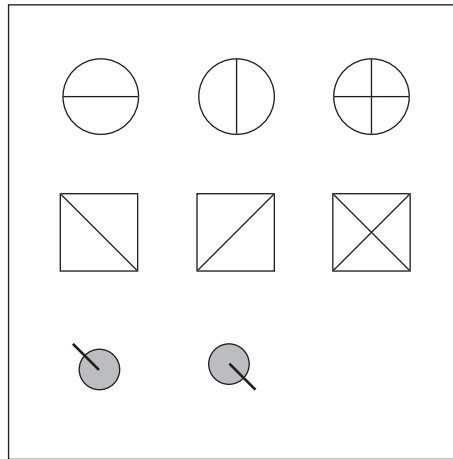
88. Identify the suggested answer that correctly completes the series.



Answer

170 Ultimate psychometric tests

89. Identify the suggested answer that correctly completes the series.



A



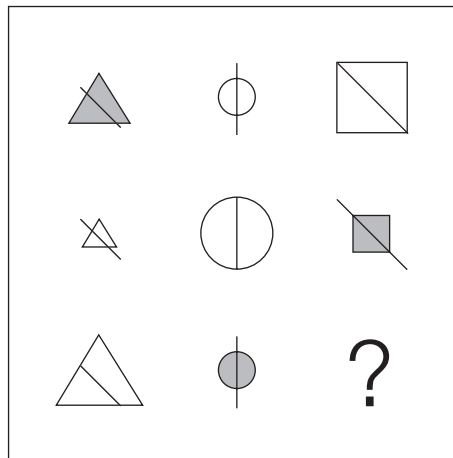
B



C

Answer

90. Identify the suggested answer that correctly completes the series.



A












B






C

Answer










91. Identify the suggested answer that correctly completes the series.




| | | |
|---|---|---|
|  |  |  |
|  |  |  |
|  |  |  |

| | | |
|---|---|---|
|  |  |  |
| A | B | C |

Answer

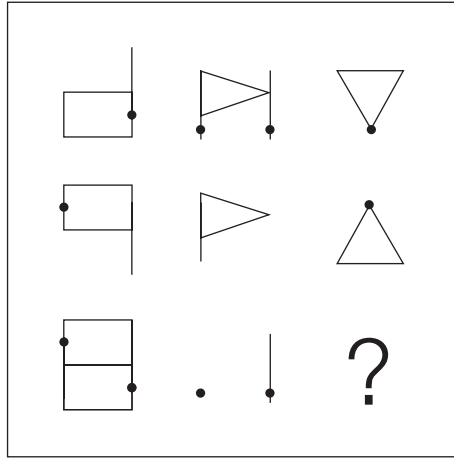
92. Identify the suggested answer that correctly completes the series.

| | | |
|---|---|---|
|  |  |  |
|  |  |  |
|  |  |  |

| | | |
|---|---|---|
|  |  |  |
| A | B | C |

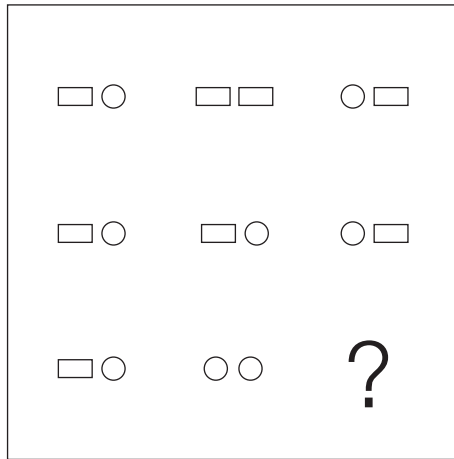
Answer

93. Identify the suggested answer that correctly completes the series.



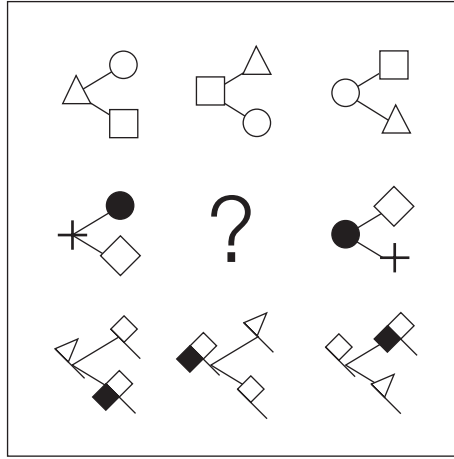
Answer

94. Identify the suggested answer that correctly completes the series.



Answer

95. Identify the suggested answer that correctly completes the series.



A



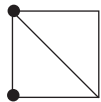
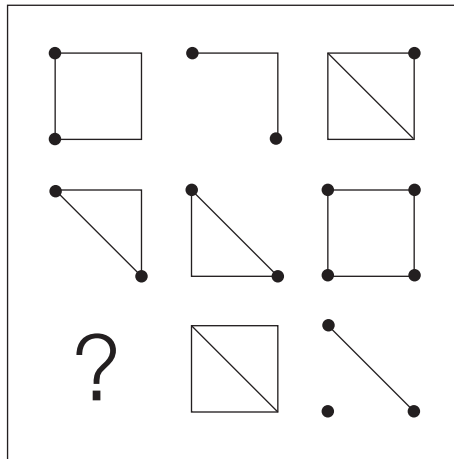
B



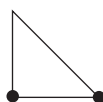
C

Answer

96. Identify the suggested answer that correctly completes the series.



A



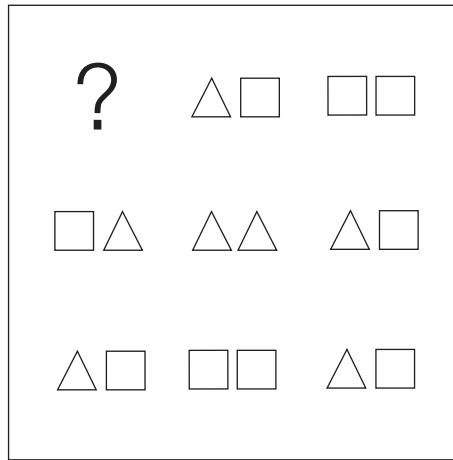
B



C

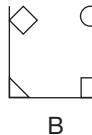
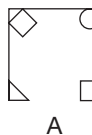
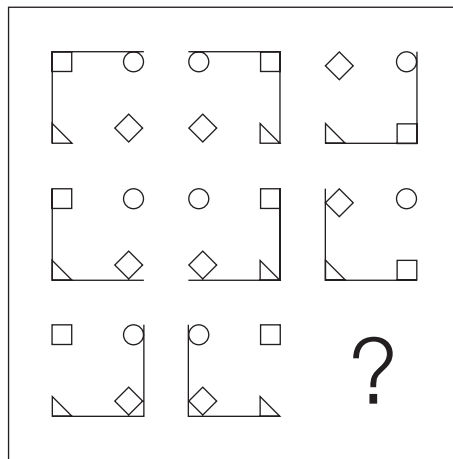
Answer

97. Identify the suggested answer that correctly completes the series.



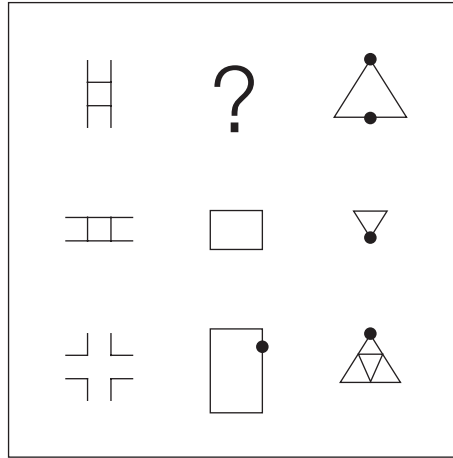
Answer

98. Identify the suggested answer that correctly completes the series.



Answer

99. Identify the suggested answer that correctly completes the series.



A



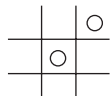
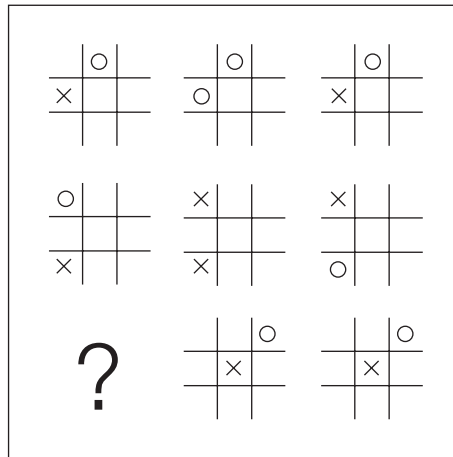
B



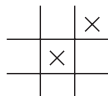
C

Answer

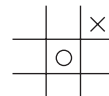
100. Identify the suggested answer that correctly completes the series.



A



B



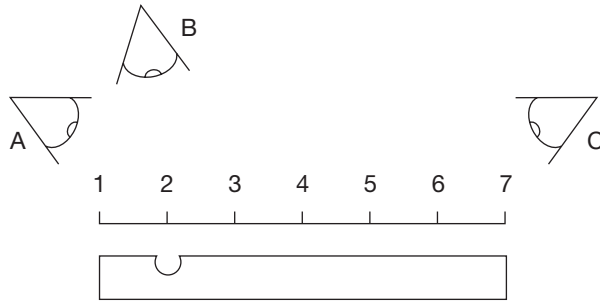
C

Answer

Mechanical comprehension

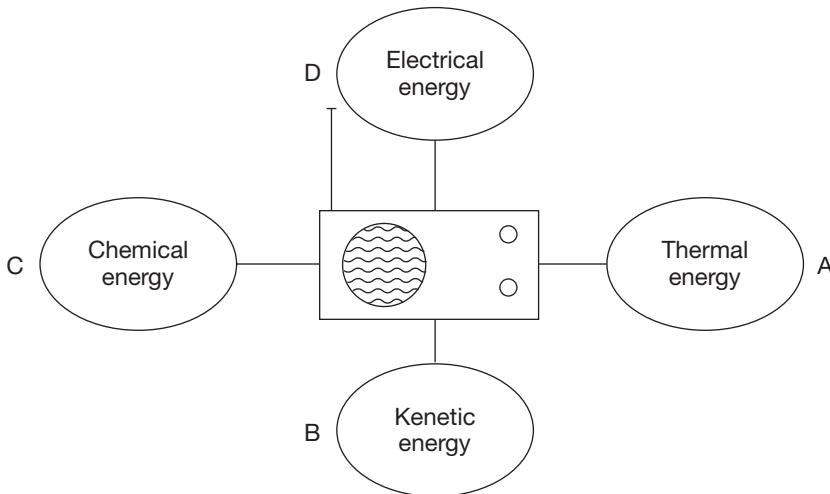
These questions allow you to practise your command of the principles of basic physics and mechanics. Many but not all include a diagram. This style of question is used to select between candidates for positions on apprenticeships and in trainability tests to select for places on craft courses at colleges.

101. Which view point would be least prone to error?



Answer

102. Which forms of energy does the radio produce?



Answer

103. Which transfer of energy occurs when a firework is lit?

Chemical to

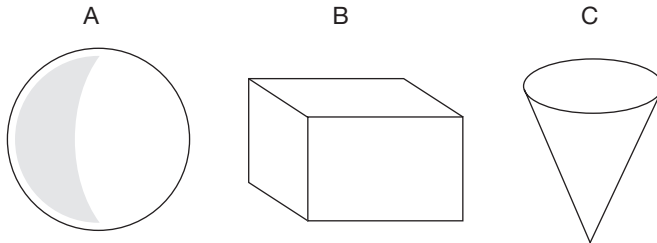
- A. Elastic
- B. Kinetic
- C. Thermal
- D. Electromagnetic
- E. Gravitational

Answer

104. Are the forces between molecules strongest in ice or water?

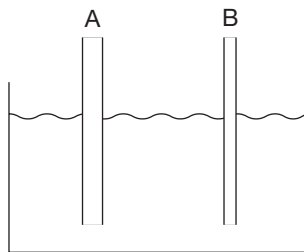
Answer

105. Which shape has the smallest surface area for a given volume?



Answer

106. In which clean tube will the water rise the highest?

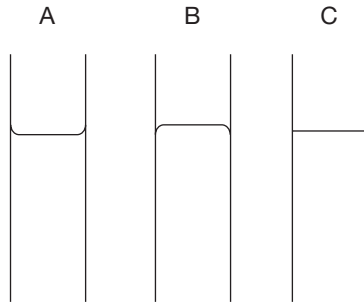


- A.
- B.
- C. The liquid will rise to the same level
- D. The liquid will not rise at all

Answer

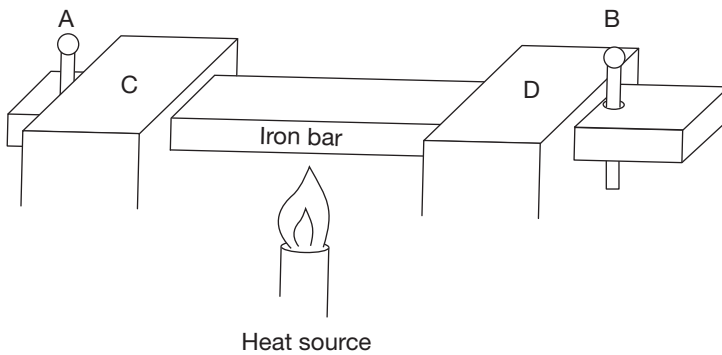
178 Ultimate psychometric tests

107 and 108. Which way does a mercury meniscus curve, if at all?
What is the shape of the meniscus of water?



Answer

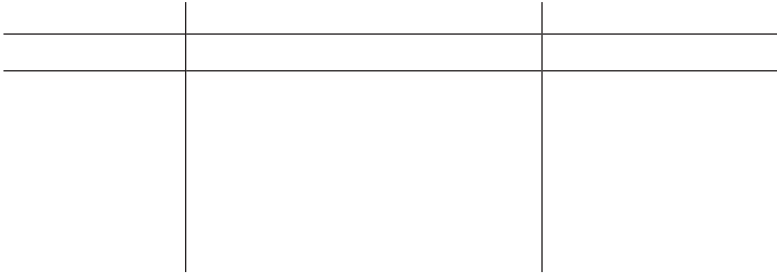
109. The split pins A and B hold the iron bar tightly against the blocks C and D; what will happen when the iron bar is heated?



- A. The pins will be bent
- B. A gap will appear between the pins and the blocks
- C. Nothing

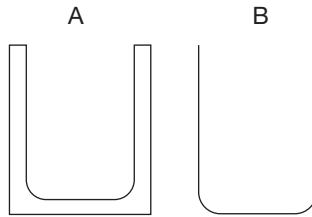
Answer

110. Are these telephone wires drawn as they appear in the summer or winter?



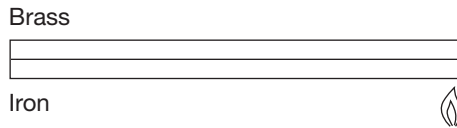
Answer

111. Which glass beaker is more likely to crack when filled with hot water?



Answer

112. Which way would the bimetallic strip bend if heat were applied to it or would it stay straight?

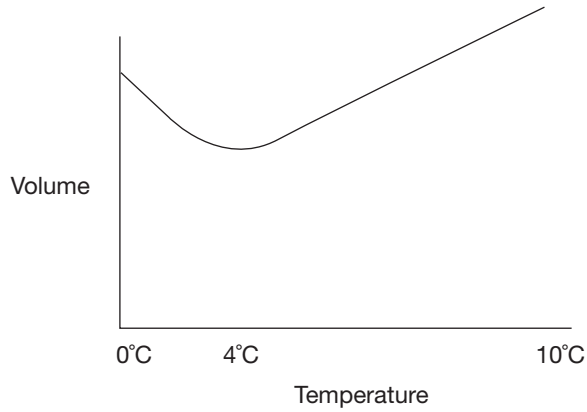


- A. Bend upwards
- B. Bend downwards
- C. Stay straight

Answer

180 Ultimate psychrometric tests

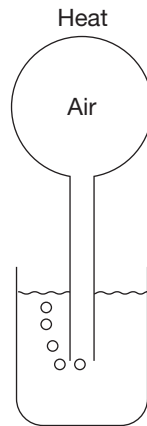
113. Which liquid is represented by the density curve?



- A. Water
- B. Oil
- C. Petrol

Answer

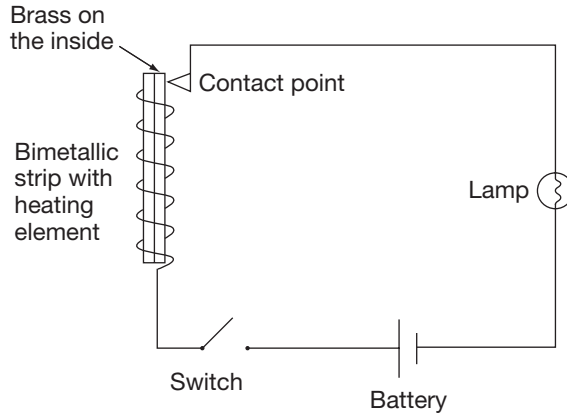
114. What will happen to the water level in the beaker if the heat source is removed and the air in the glass balloon cools?



- A. Rises
- B. Falls
- C. Stays the same

Answer

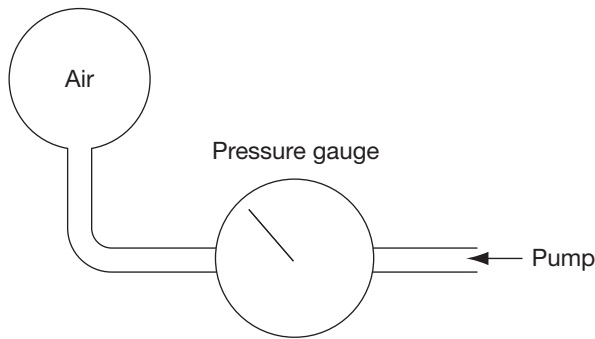
115 and 116. What will happen when the switch is closed?
 What will happen once the bimetallic strip gets hot?



- A. The lamp will come on
- B. The heating element will warm
- C. Both A and B
- D. Neither A nor B
- E. Contact will remain once the bimetallic strip gets hot
- F. Contact will be broken once the bimetallic strip gets hot

Answers

117. If the temperature remains constant, what will happen to the volume of trapped gas if the pressure is doubled?

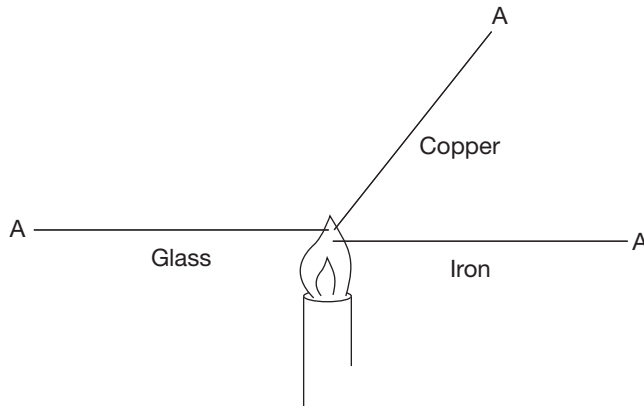


- A. The volume it occupies will reduce by a third
- B. The volume will double
- C. The volume will reduce by a quarter
- D. The volume will reduce by half

Answer

182 Ultimate psychometric tests

118. Which point A on these bars of equal length and thickness would get hottest first?



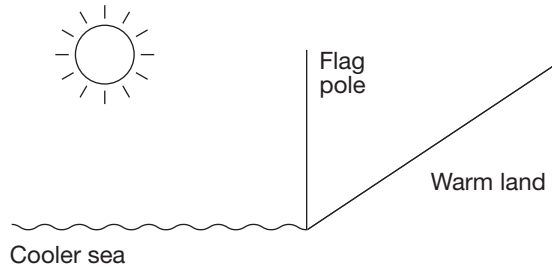
Answer

119. Which liquid would boil last?

- A. Water
- B. Mercury
- C. Alcohol

Answer

120. If a flag was raised on the pole, on which side would it fly?



- A. The seaside
- B. The landside
- C. You cannot tell

Answer

121. If left in the sun, in which can will water take longest to warm?

- A. Shiny tin can
- B. Mat black painted tin can

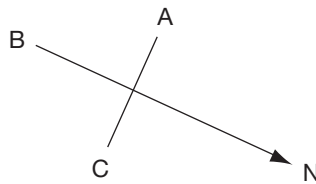
Answer

122. If a solar panel were located in the northern hemisphere, which way would you expect it to be facing?

- A. North
- B. South
- C. East
- D. West
- E. Cannot tell

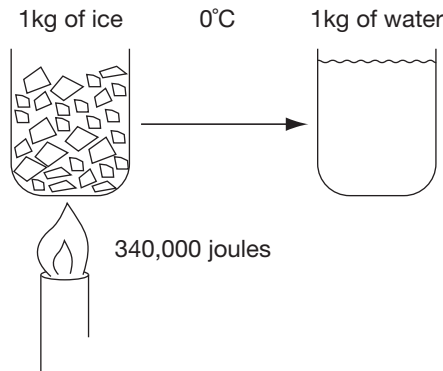
Answer

123. Which way is East?



Answer

124. What temperature will the water be?



- A. Cannot tell
- B. Warmer than 0°C
- C. 0°C

Answer

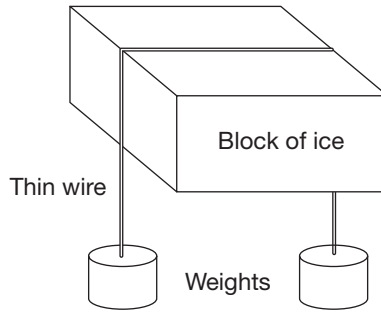
125. What will be the temperature of ice made from mineral water?

- A. 0°C
- B. Lower than 0°C
- C. Higher than 0°C

Answer

184 Ultimate psychometric tests

126. What will happen?



- A. The block of ice will be cut in half
- B. Nothing
- C. The wire will eventually drop out of the bottom of the block

Answer

127. What happens when salt is added to boiling water?

- A. The water will boil more vigorously
- B. The temperature of the water will fall
- C. The water will stop boiling
- D. The temperature of the water will begin to rise

Answer

128. At what temperature does water boil at altitude?

- A. 100°C
- B. Below 100°C
- C. Above 100°C

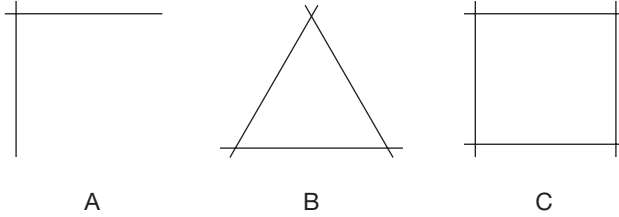
Answer

129. If a package weighed 80 kg in New York, how much would it weigh at the North Pole?

- A. The same
- B. Slightly more
- C. Slightly less

Answer

130. Which shape is the more rigid?



Answer

131. Which is the least and which the most dense?

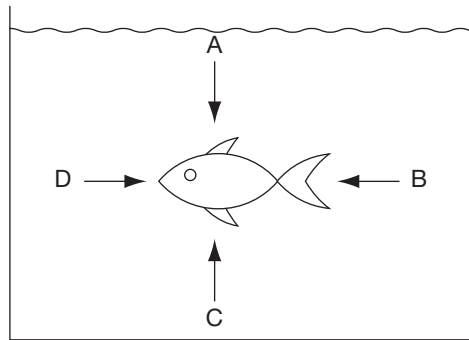
- A. Ice
- B. Water
- C. Oil

Answer

132. Where is the pressure greatest, at the top, bottom or middle of a drum of water?

Answer

133. In which direction is the pressure greatest?

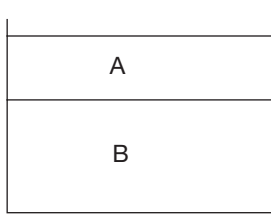


- A
- B
- C
- D
- All equal

Answer

186 Ultimate psychometric tests

134. Which is petrol and which is ice?



A. Petrol

B. Petrol

A. Ice

B. Ice

Answer

135. Which barometric reading would you expect on a rainy day?

A. 970 mbar

B. 1,010 mbar

C. Cannot tell

Answer

136. What force holds a nail in a piece of wood?

A. Molecular expansion

B. Friction

C. Molecular bonding

D. Conduction

Answer

137. Which force cannot act remotely?

A. Electrical force

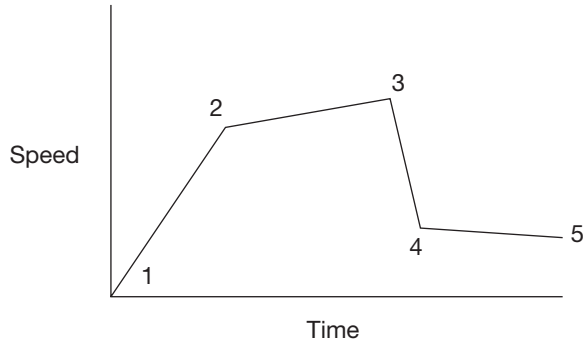
B. Magnetic force

C. Gravity

D. Frictional force

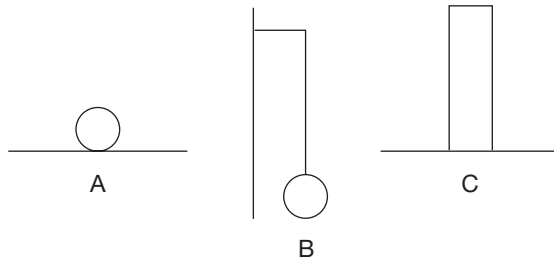
Answer

138. When did the vehicle reach a constant speed?



Answer

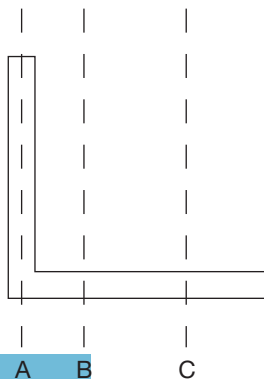
139. Which shape is in equilibrium?



- A
- B
- C
- All three

Answer

140. Which line is most likely to represent the centre of gravity of the shape?



Answer

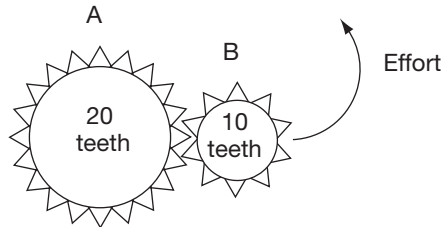
188 Ultimate psychometric tests

141. When a gun is discharged the potential energy of the chemical charge is transferred to what?

- A. Actual chemical energy
- B. Electrical energy
- C. Kinetic energy
- D. Elastic energy
- E. Gravitational energy
- F. Heat and light

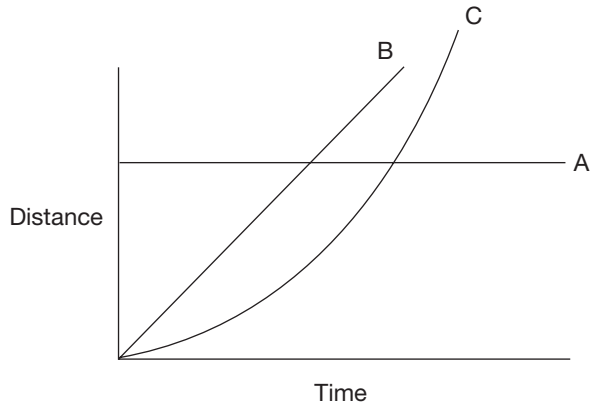
Answer

142. Will gear A magnify the force, the distance or both?



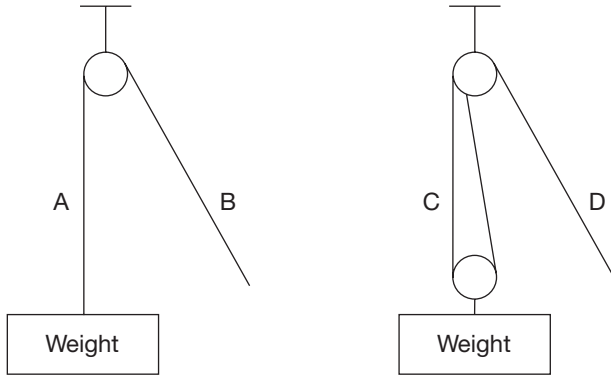
Answer

143. Which line shows a plane accelerating to take off?



Answer

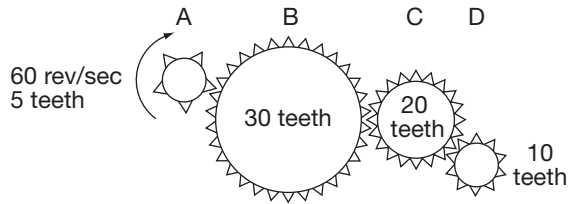
144. Where is the smaller effort?



- A
- B
- C
- D
- Cannot tell

Answer

145. Which gear is rotating in an anticlockwise direction at 30 revolutions a second?



Answer

146. Is this shape concave or convex?

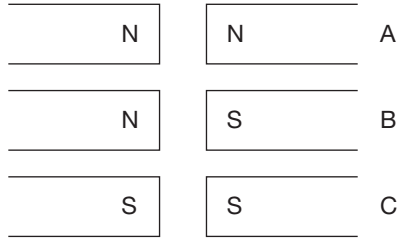


- A. Concave
- B. Convex
- C. Both
- D. Neither

Answer

190 Ultimate psychometric tests

147. Which magnets will repel?



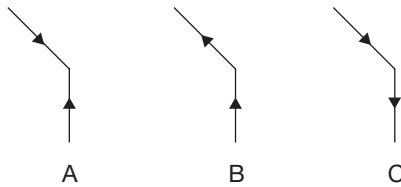
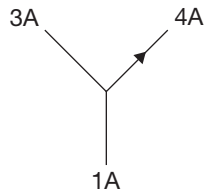
Answer

148. How many colours are there in a rainbow?

- 5
- 6
- 7
- 8

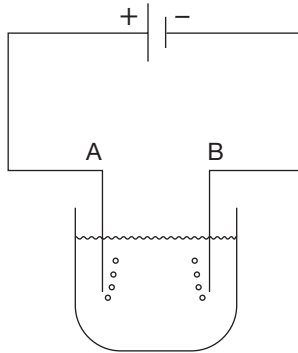
Answer

149. Does A, B or C indicate the correct direction of the electric current?



Answer

150. At which electrode would the most bubbles be produced?



Answer

151. Match the circuit to the appropriate table.

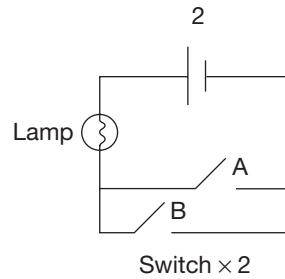
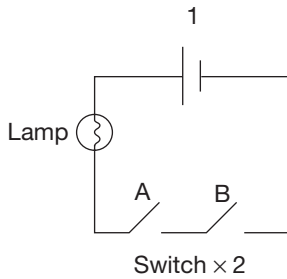


Table 1

| A | B | lamp |
|--------|--------|------|
| Closed | Closed | On |
| Open | Open | Off |
| Open | Closed | Off |
| Closed | Open | Off |

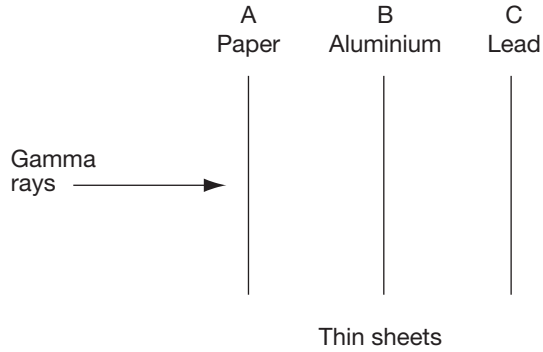
Table 2

| A | B | lamp |
|--------|--------|------|
| Closed | Closed | On |
| Open | Open | Off |
| Open | Closed | On |
| Closed | Open | On |

Answer

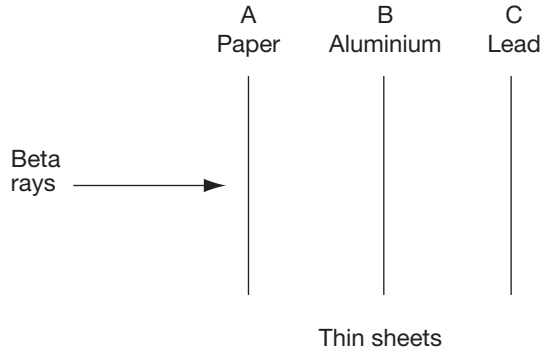
192 Ultimate psychometric tests

152. At what point if any will the rays be stopped?



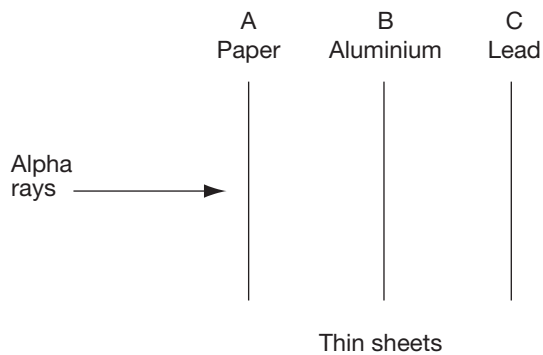
Answer

153. At which point if any will the rays be stopped?



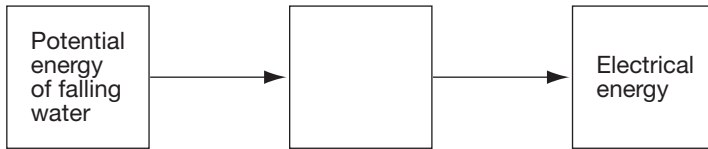
Answer

154. At which point if any will the rays be stopped?



Answer

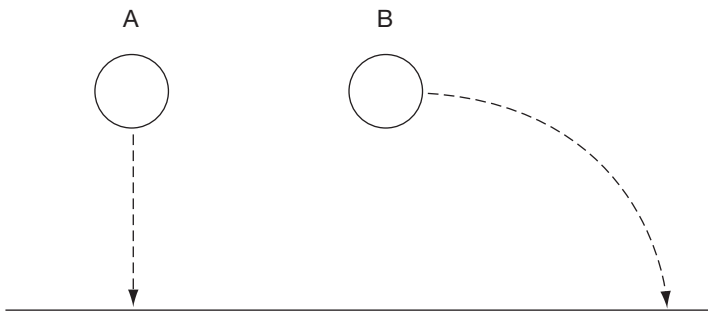
155. Best complete the energy transfers in this description of a hydroelectric power station.



- A. Energy in the wires
- B. Heat and light
- C. Kinetic energy of turbine
- D. Chemical energy

Answer

156. If the two identical balls started their descent simultaneously, which would hit the ground first?

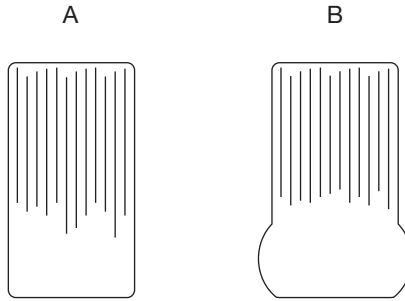


- A
- B
- Both A and B

Answer

194 Ultimate psychometric tests

157. Which of the tyres is fitted to the vehicle carrying the greatest load?



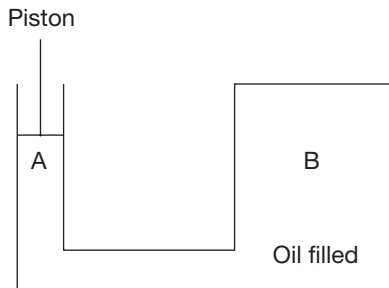
A

B

Cannot tell

Answer

158. If the piston is depressed, at which point is the oil subjected to the greatest pressure?



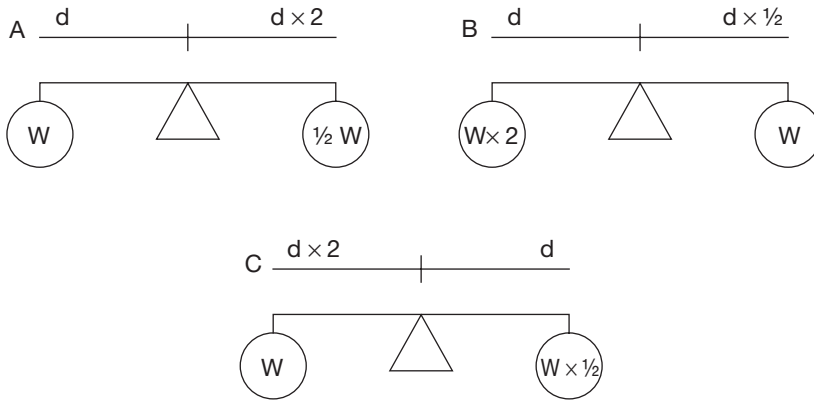
A

B

All equal

Answer

159. Which seesaw is in equilibrium?



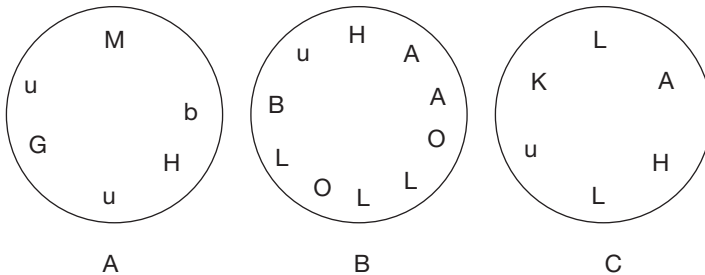
Answer

IQ tests

IQ tests indicate the level of intelligence you were born with and while you can't improve that, you can improve your IQ score. Work through some of these practice questions and then consider the answers and explanations provided in Chapter 7. Return to practise on more of these questions and you will very soon be much faster and accurate at these types of IQ test question. As a result you will get more questions right in a real IQ test and so get a higher IQ score.

You will find hundreds more practice questions in the Kogan Page titles *Test your IQ...*, *Test Your IQ and Psychometric Tests Workbook* by Philip Carter and the CD-Rom *Test your IQ volume 1, The Times Testing Series*.

160. Find the circle that does not include a word.



Answer

196 Ultimate psychometric tests

161. Identify the missing number from the list of suggested answers.

| | | |
|----|----|----|
| 16 | ? | 32 |
| 40 | 48 | 56 |

- A. 21
- B. 22
- C. 23
- D. 24
- E. 25

Answer

162. Which is the odd one out?

- A. Felt
- B. Raffia
- C. Velvet
- D. Chiffon
- E. Oceania

Answer

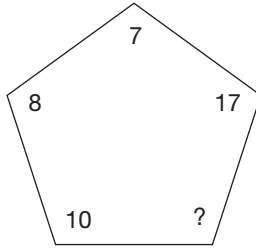
163. Find the missing number from the list of suggested answers.

16 32 2 8 ? 4
12 36 3

- A. 30
- B. 31
- C. 32
- D. 33
- E. 34

Answer

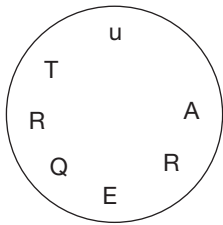
164. Find the missing number from the list of suggested answers.



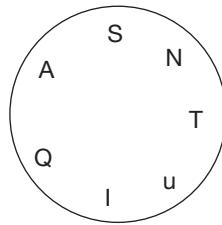
- A. 11
- B. 12
- C. 13
- D. 14
- E. 15

Answer

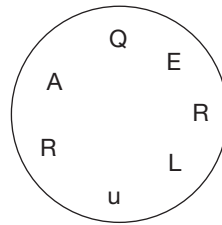
165. Find the circle that does not include a word.



A



B



C

Answer

166. Find the odd one out.

- A. Rocking
- B. Arm
- C. Foot
- D. High
- E. Dining

Answer

198 Ultimate psychometric tests

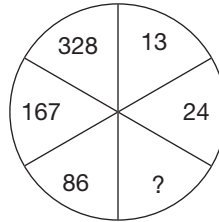
167. Identify the missing number from the list of suggested answers.

| | | |
|----|----|----|
| 66 | 72 | 78 |
| 84 | ? | 96 |

- A. 88
- B. 89
- C. 90
- D. 91
- E. 92

Answer

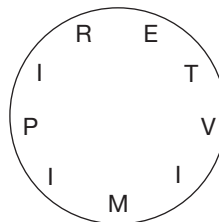
168. Find the missing number from the list of suggested answers.



- A. 41
- B. 42
- C. 43
- D. 44
- E. 45

Answer

169. Identify the word that means the opposite to modern.



Answer

170. Find the odd one out.

- A. India
- B. Cyprus
- C. Austria
- D. Sudan
- E. Mauritius

Answer

171. Identify the missing number from the list of suggested answers.

| | | |
|----|----|----|
| 54 | ? | 72 |
| 84 | 90 | 99 |

- A. 60
- B. 61
- C. 62
- D. 63
- E. 64
- F. 65

Answer

172. Find the missing number from the list of suggested answers.

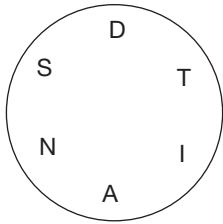
| | | |
|---|----|---|
| 6 | 4 | 2 |
| 8 | 6 | 2 |
| ? | 10 | 4 |

- A. 12
- B. 13
- C. 14
- D. 15
- E. 16

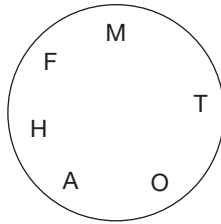
Answer

200 Ultimate psychometric tests

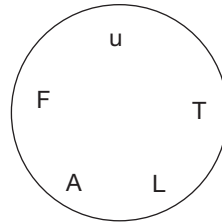
173. Find the circle that does not include a word.



A



B



C

Answer

174. Which is the odd one out?

- A. Humpback
- B. Baleen
- C. Swing
- D. Draw
- E. Suspension

Answer

175. Find the missing number from the list of suggested answers.

| | |
|---|---|
| 9 | 5 |
| 8 | 3 |

| | |
|---|---|
| 7 | 3 |
| ? | 1 |

- A. 3
- B. 4
- C. 5
- D. 6
- E. 7

Answer

176. Find the missing number from the list of suggested answers.

4 20 5 7 21 3
6 36 ?

- A. 3
- B. 4
- C. 5
- D. 6

Answer

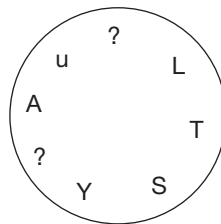
177. Find the missing number from the list of suggested answers.

| | | |
|----|----|----|
| ? | 63 | 70 |
| 77 | 84 | 91 |

- A. 52
- B. 53
- C. 54
- D. 55
- E. 56

Answer

178. Which missing letters name an Australian animal?



Answer

202 Ultimate psychometric tests

179. Which is the odd one out?

- A. Cambrian
- B. Scandinavian
- C. Jurassic
- D. Carboniferous
- E. Triassic

Answer

180. Find the box that does not include a word.

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A | B | | | | | | | | | | | | |
| <table border="1" style="border-collapse: collapse; text-align: center;"><tr><td>T</td><td>T</td><td>E</td></tr><tr><td>M</td><td>A</td><td>R</td></tr></table> | T | T | E | M | A | R | <table border="1" style="border-collapse: collapse; text-align: center;"><tr><td>P</td><td>R</td><td>Y</td></tr><tr><td>G</td><td>U</td><td>M</td></tr></table> | P | R | Y | G | U | M |
| T | T | E | | | | | | | | | | | |
| M | A | R | | | | | | | | | | | |
| P | R | Y | | | | | | | | | | | |
| G | U | M | | | | | | | | | | | |
| <table border="1" style="border-collapse: collapse; text-align: center;"><tr><td>Y</td><td>L</td><td>I</td></tr><tr><td>D</td><td>L</td><td>C</td></tr></table> | Y | L | I | D | L | C | <table border="1" style="border-collapse: collapse; text-align: center;"><tr><td>Y</td><td>G</td><td>S</td></tr><tr><td>A</td><td>E</td><td>R</td></tr></table> | Y | G | S | A | E | R |
| Y | L | I | | | | | | | | | | | |
| D | L | C | | | | | | | | | | | |
| Y | G | S | | | | | | | | | | | |
| A | E | R | | | | | | | | | | | |
| C | D | | | | | | | | | | | | |

Answer

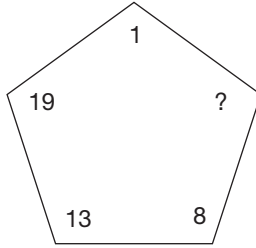
181. Find the missing number from the list of suggested answers.

$$\begin{array}{r} 9364 \\ 8486 \\ \hline 749? \end{array}$$

- A. 5
- B. 6
- C. 7
- D. 8
- E. 9

Answer

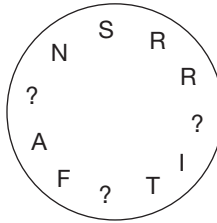
182. Find the missing number from the list of suggested answers.



- A. 1
- B. 2
- C. 3
- D. 4
- E. 5

Answer

183. Which missing letters form a word that is a religion?



Answer

184. Find the missing number from the list of suggested answers.

7 42 6

? 45 9

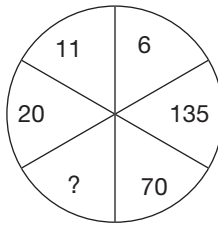
6 24 4

- A. 3
- B. 4
- C. 5
- D. 6
- E. 7

Answer

204 Ultimate psychometric tests

185. Find the missing number from the suggested answers.



- A. 36
- B. 37
- C. 38
- D. 39
- E. 40

Answer

186. Which is the odd one out?

- A. Fossil
- B. Geothermic
- C. Chemical
- D. Solar
- E. Fission

Answer

187. Find the missing number from the suggested list.

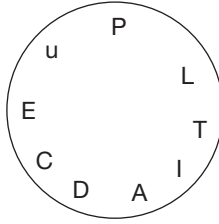
| | |
|----|---|
| 4 | 8 |
| 14 | 7 |

| | |
|----|----|
| 10 | 14 |
| 20 | ? |

- A. 12
- B. 13
- C. 14
- D. 15
- E. 16

Answer

188. Find the word that means the same as double.



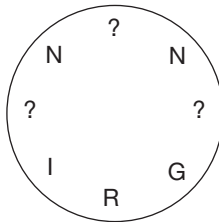
Answer

189. Find the odd one out.

- A. Motown
- B. Ragtime
- C. World
- D. Ensemble
- E. Gospel
- F. Ambient

Answer

190. Find the letters that form the name of a profession.



Answer

206 Ultimate psychometric tests

191. Find the missing number from the list of suggested answers.

| | | |
|----|----|----|
| 60 | 48 | ? |
| 72 | 84 | 96 |

- A. 33
- B. 34
- C. 35
- D. 36
- E. 37

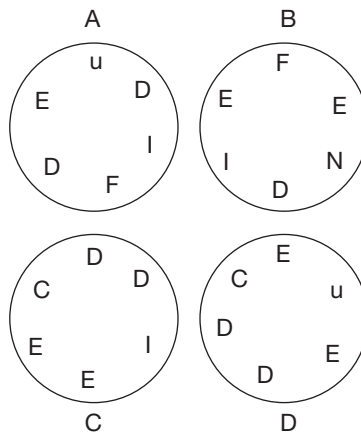
Answer

192. Which is the odd one out?

- A. Binary
- B. Neutron
- C. Doppler
- D. Dwarf
- E. Pulsar

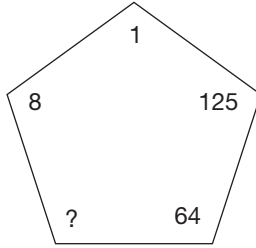
Answer

193. Find the circle that does not contain a word.



Answer

194. Identify the missing number from the suggested answers.



- A. 25
- B. 26
- C. 27
- D. 28
- E. 29

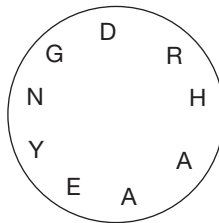
Answer

195. Which is the odd one out?

- A. Christian
- B. Baptismal
- C. Family
- D. Smith
- E. Maiden
- F. Stage

Answer

196. Find the following shrub.



Answer

208 Ultimate psychometric tests

197. Which is the odd one out?

- A. Sheet bend
- B. Bowline
- C. Half hitch
- D. Turk's head
- E. Tapir
- F. Monkey's fist

Answer

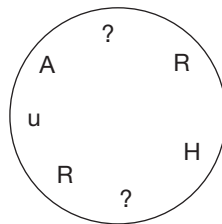
198. Find the missing number from the suggested answers.

6 4 5 12 2 7
 ? 3 3

- A. 0
- B. 1
- C. 2
- D. 3
- E. 4
- F. 5

Answer

199. What missing letters make up an edible plant?



Answer

200. Which is the odd one out?

- A. Green
- B. Howler
- C. Vervet
- D. Woolly
- E. Capybara
- F. Proboscis

Answer

201. Identify the missing number from the suggested answers.

| | |
|---|---|
| 3 | 8 |
| 4 | ? |

| | |
|---|---|
| 7 | 2 |
| 6 | 9 |

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

Answer

202. Which is the odd one out?

- A. Mural
- B. Fresco
- C. Still life
- D. Cave
- E. Pablo

Answer

210 Ultimate psychometric tests

203. Which square contains a word meaning madness?

| | |
|---|---|
| O | N |
| O | E |
| L | S |

A

| | |
|---|---|
| u | L |
| Q | D |
| I | I |

B

| | |
|---|---|
| A | C |
| N | L |
| u | Y |

C

Answer

204. Identify the missing number from the suggested answers.

4 6 6

8 3 5

2 6 ?

A. 5

B. 6

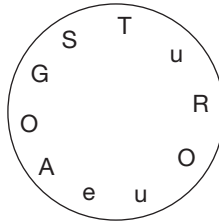
C. 7

D. 8

E. 9

Answer

205. Find the word meaning shocking.



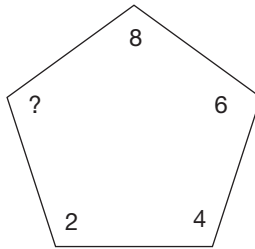
Answer

206. Which is the odd one out?

- A. Granite
- B. Quartz
- C. Onyx
- D. Gypsum
- E. Mica
- F. Calcite

Answer

207. Identify the missing number from the suggested answers.



- A. 0
- B. 1
- C. 2
- D. 3
- E. 4
- F. 5

Answer

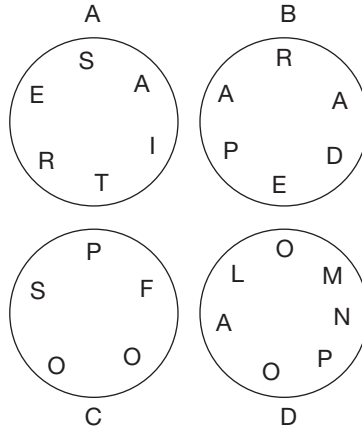
208. Which is the odd one out?

- A. Treble
- B. Viola
- C. Cello
- D. Cymbals

Answer

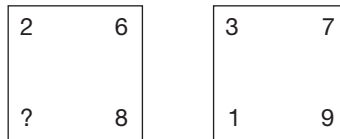
212 Ultimate psychometric tests

209. Find a circle that does not contain a word meaning parody.



Answer

210. Identify the missing number from the suggested answers.



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

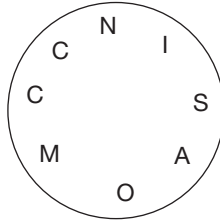
Answer

211. Which is the odd one out?

- A. Pewter
- B. Brass
- C. Bronze
- D. Tin
- E. Silver

Answer

212. Find a type of shoe.



Answer

213. Identify the missing number from the suggested answers.

| | | |
|---|----|----|
| 1 | 4 | 9 |
| ? | 25 | 36 |

- A. 15
- B. 16
- C. 17
- D. 18

Answer

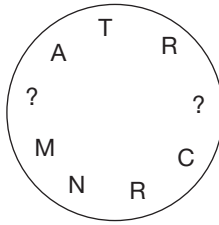
214. Which is the odd one out?

- A. Beijing
- B. Helsinki
- C. Paris
- D. Athens
- E. Sydney
- F. Wellington

Answer

214 Ultimate psychometric tests

215. Which missing letters make up the name of a seabird?



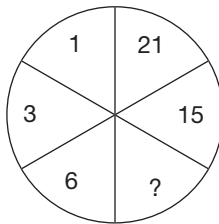
Answer

216. Which is the odd one out?

- A. Fable
- B. Poem
- C. Myth
- D. Legend
- E. Saga

Answer

217. Identify the missing number from the suggested answers.



- A. 8
- B. 9
- C. 10
- D. 11
- E. 12

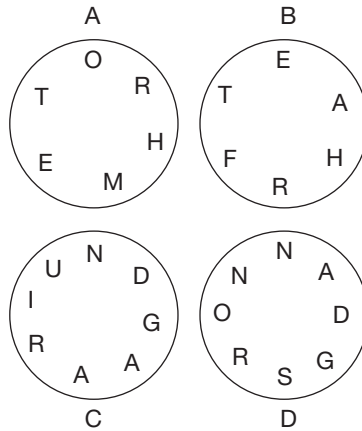
Answer

218. Which is the odd one out?

- A. Thriller
- B. Western
- C. Romantic
- D. Legend
- E. Gothic

Answer

219. Find the circle that does not contain a word meaning parent.



Answer

220. Which is the odd one out?

- A. Penthouse
- B. Terrace
- C. Semi
- D. Town
- E. Country

Answer

216 Ultimate psychometric tests

221. Identify the missing number from the suggested answers.

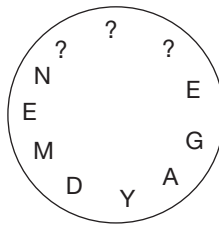
| | |
|---|---|
| 0 | ? |
| 1 | 3 |

| | |
|---|---|
| 6 | 4 |
| 5 | 3 |

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

Answer

222. Find the missing letters that make for an unfair election.



Answer

223. Which is the odd one out?

- A. Ballet
- B. Court
- C. Deck
- D. Cowboy

Answer

224. Identify the missing number from the suggested answers.

0 3 6

1 ? 7

2 5 8

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

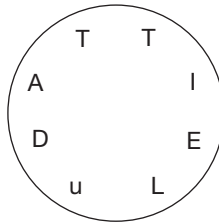
Answer

225. Which is the odd one out?

- A. Isosceles
- B. Equilateral
- C. Spiral
- D. Right-angle
- E. Congruent

Answer

226. Find the point north or south of the equator.



Answer

227. Which is the odd one out?

- A. Sole
- B. Ray
- C. Shearwater
- D. Tuna
- E. Wrasse

Answer

218 Ultimate psychometric tests

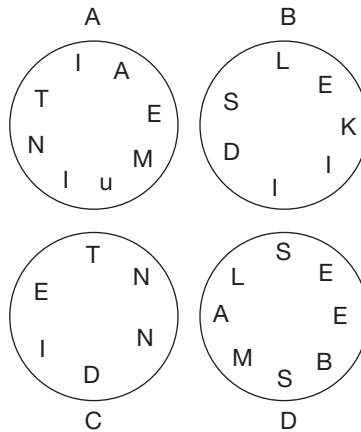
228. Identify the missing number from the suggested answers.

| | | |
|---|---|----|
| 1 | 2 | 3 |
| 6 | ? | 18 |

- A. 8
- B. 9
- C. 10
- D. 11

Answer

229. Find the circle that contains a word meaning detail.



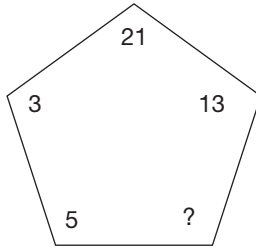
Answer

230. Which is the odd one out?

- A. Rye
- B. Oats
- C. Millet
- D. Maize
- E. Marrow

Answer

231. Identify the missing number from the suggested answers.



- A. 5
- B. 6
- C. 7
- D. 8
- E. 9
- F. 10

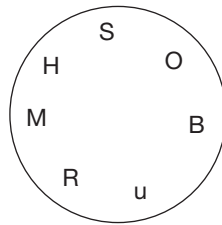
Answer

232. Which is the odd one out?

- A. Cannellini
- B. Sugar
- C. Haricot
- D. French
- E. Mung

Answer

233. Find the word for a diamond.



Answer

220 Ultimate psychometric tests

234. Which is the odd one out?

- A. Kite
- B. Diamond
- C. Plane
- D. Rhombus
- E. Polygon
- F. Square

Answer

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