

## Abstract / 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.

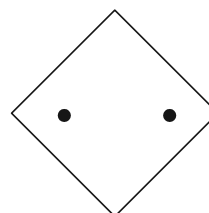
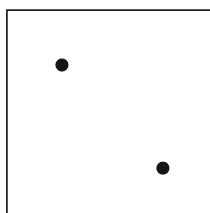
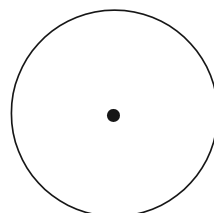
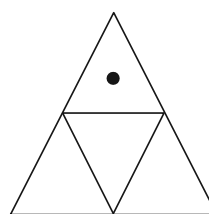
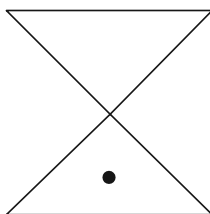
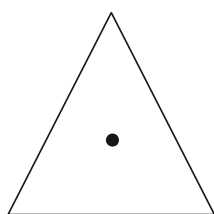
The next 50 questions present a series of shapes and you must decide which of the suggested answers is the next step or the missing step in the series.

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.



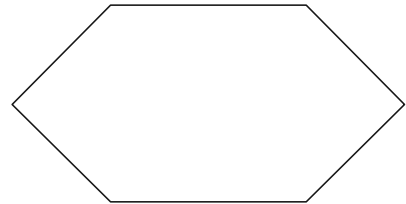
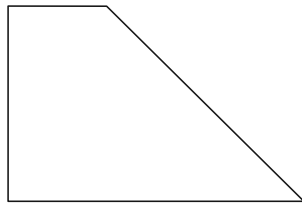
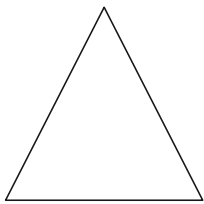
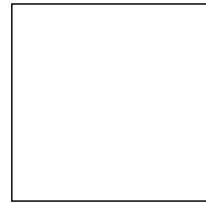
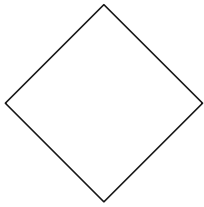
A

B

C



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



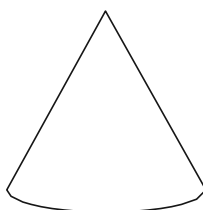
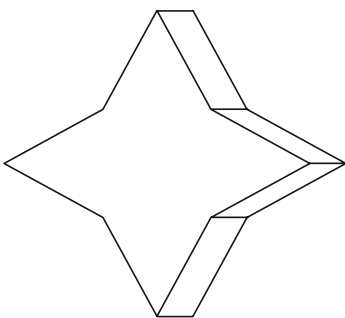
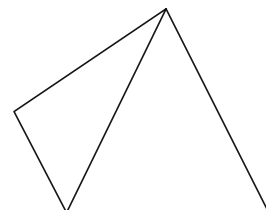
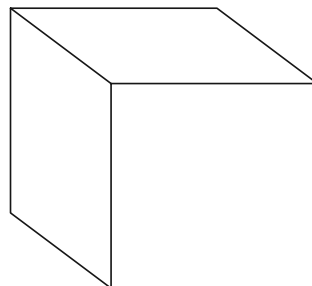
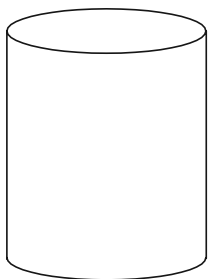
A

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).



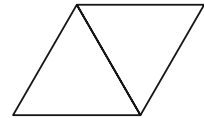
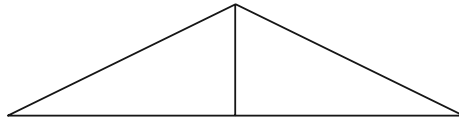
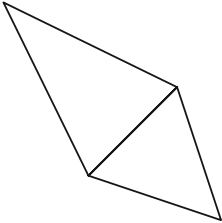
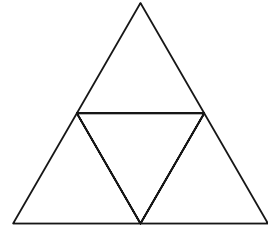
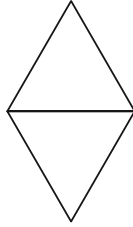
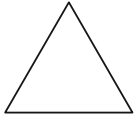
A

B

C

Answer

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



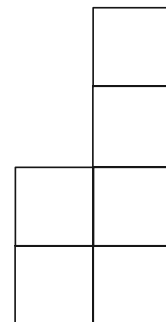
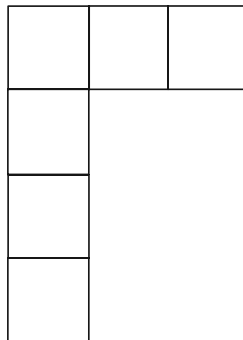
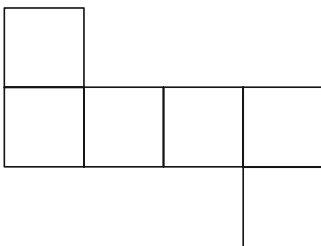
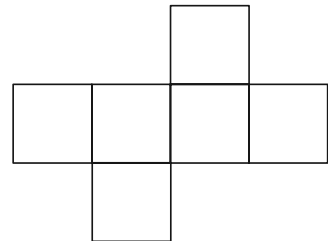
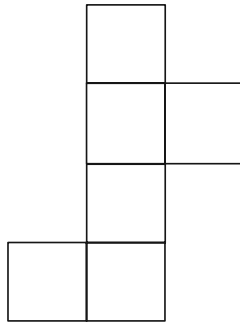
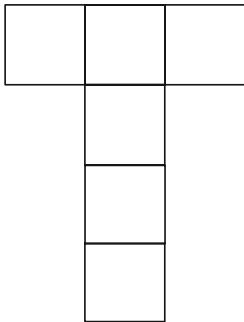
A

B

C

Answer

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



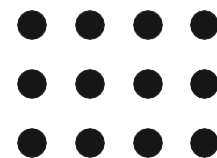
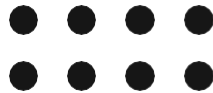
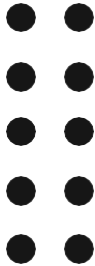
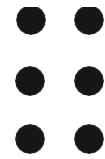
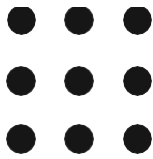
A

B

C

Answer

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



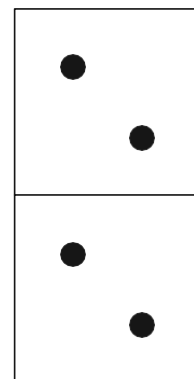
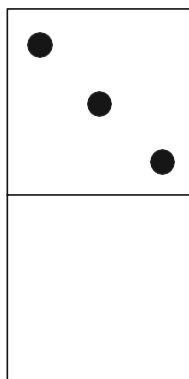
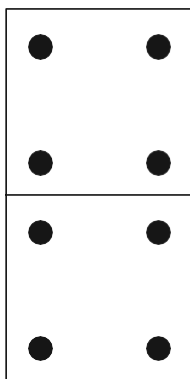
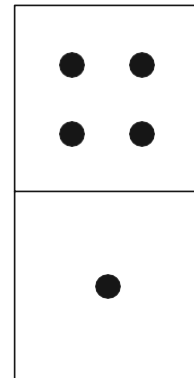
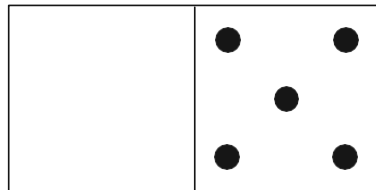
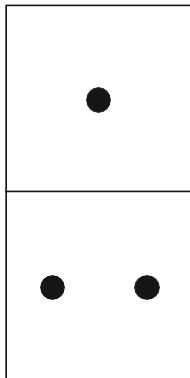
A

B

C

Answer

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



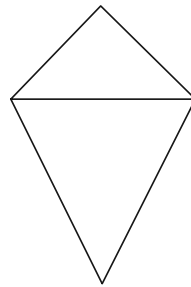
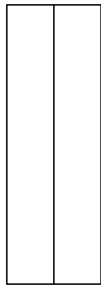
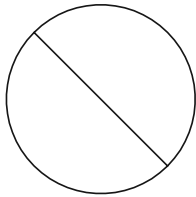
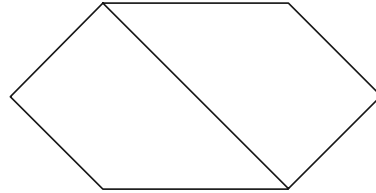
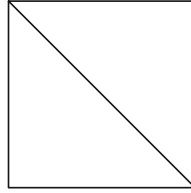
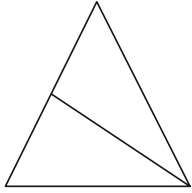
A

B

C

Answer

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



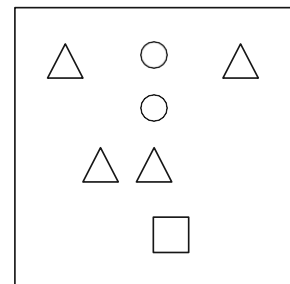
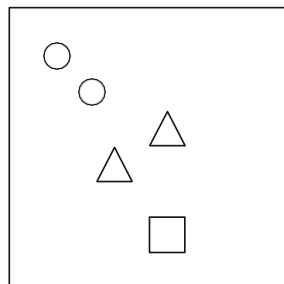
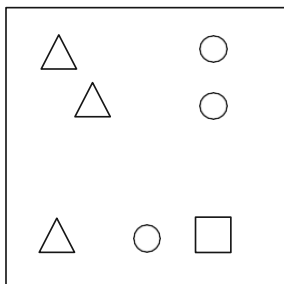
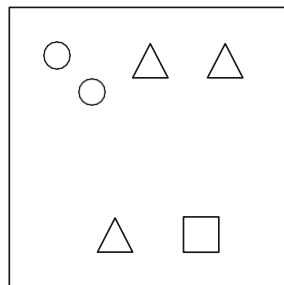
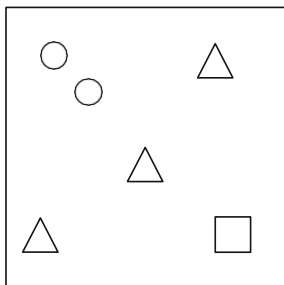
A

B

C

Answer

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



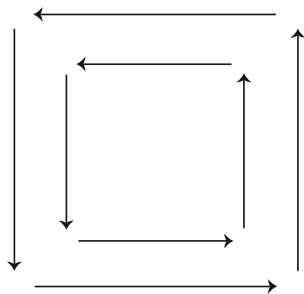
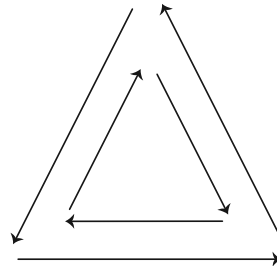
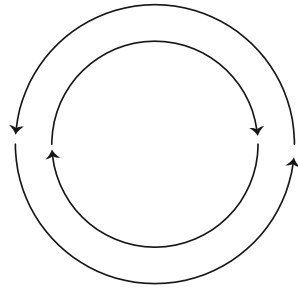
A

B

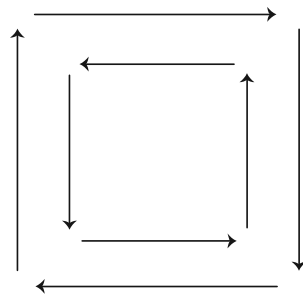
C

Answer

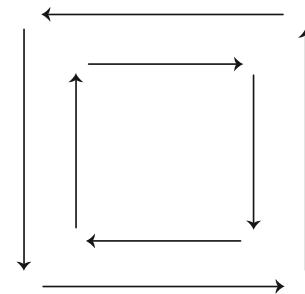
10. Identify the suggested answer shapes that share a feature in common with the question shapes.



A



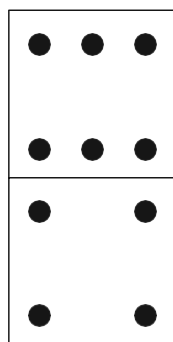
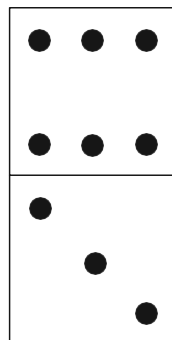
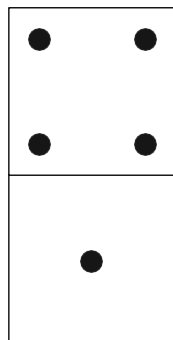
B



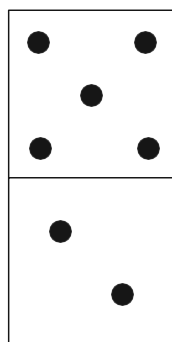
C

Answer

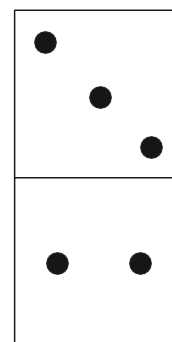
11. Identify the suggested answer shapes that share a feature in common with the question shapes.



A



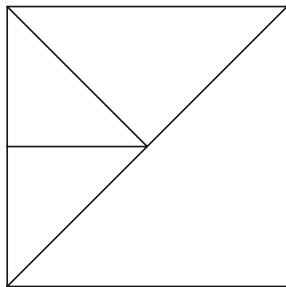
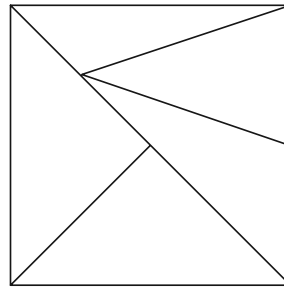
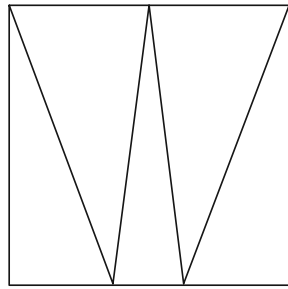
B



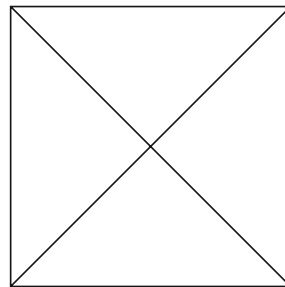
C

Answer

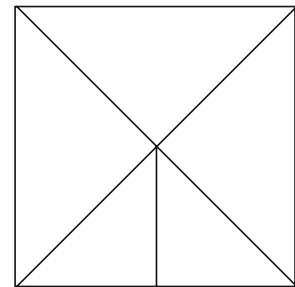
12. Identify the suggested answer shapes that share a feature in common with the question shapes.



A



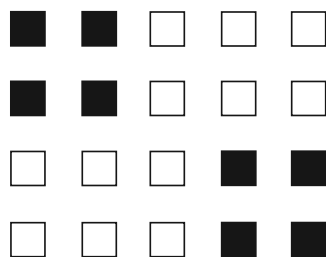
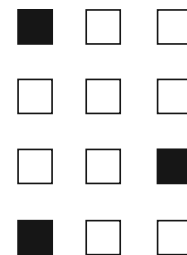
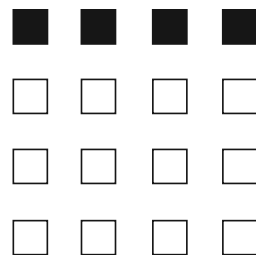
B



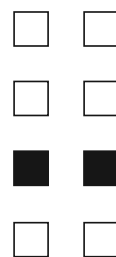
C

Answer

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



A



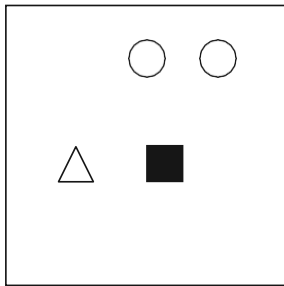
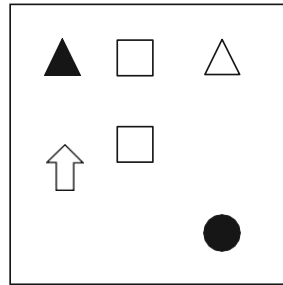
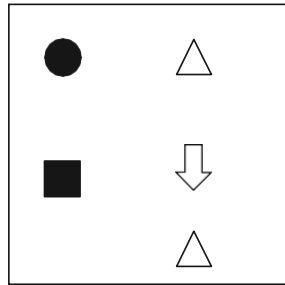
B



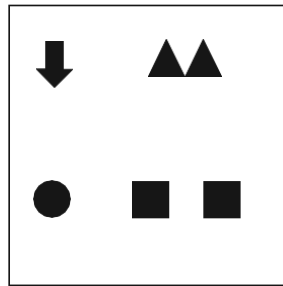
C

Answer

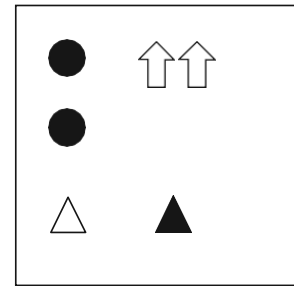
14. Identify the suggested answer shapes that share a feature in common with the question shapes.



A



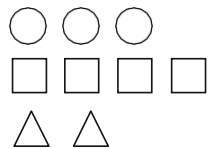
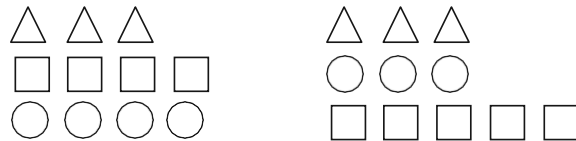
B



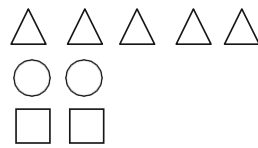
C

Answer

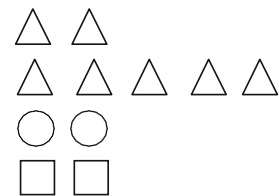
15. Identify the suggested answer shapes that share a feature in common with the question shapes.



A



B



C

Answer



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



A



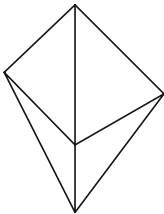
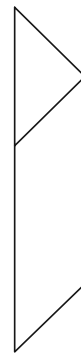
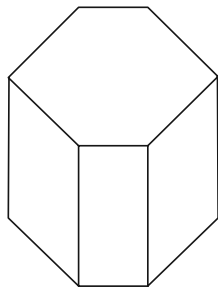
B



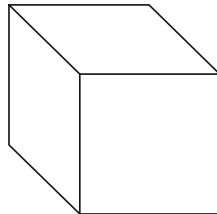
C

Answer

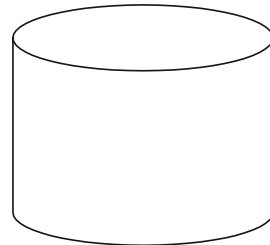
17. Identify the suggested answer shapes that share a feature in common with the question shapes.



A



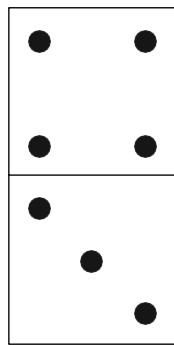
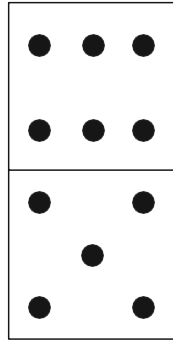
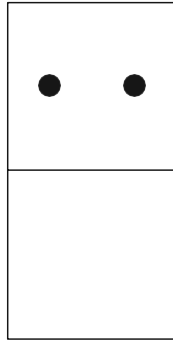
B



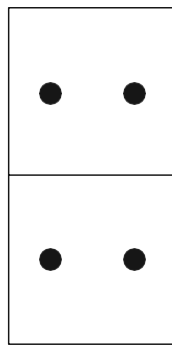
C

Answer

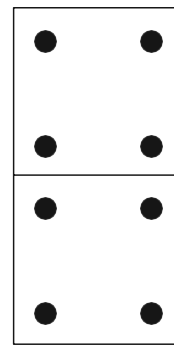
18. Identify the suggested answer shapes that share a feature in common with the question shapes.



A



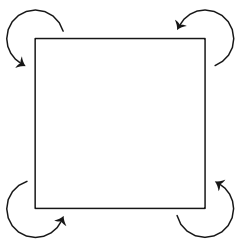
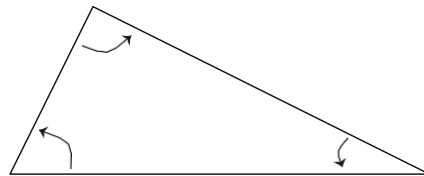
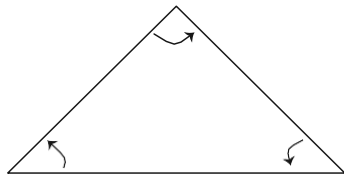
B



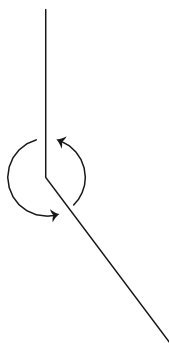
C

Answer

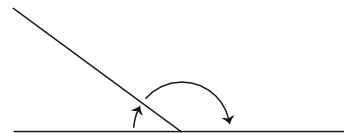
19. Identify the suggested answer shapes that share a feature in common with the question shapes.



A



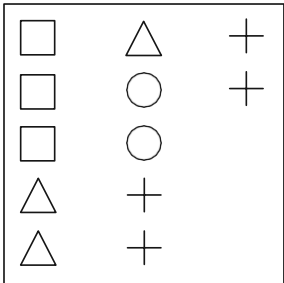
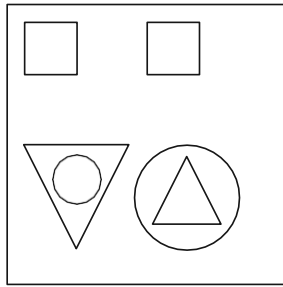
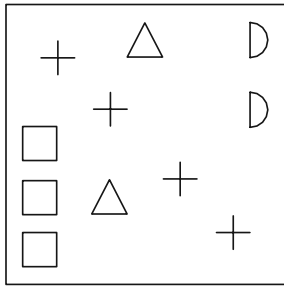
B



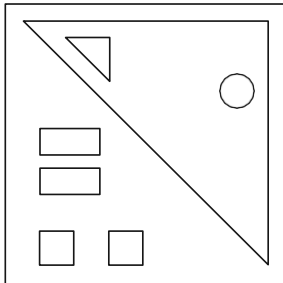
C

Answer

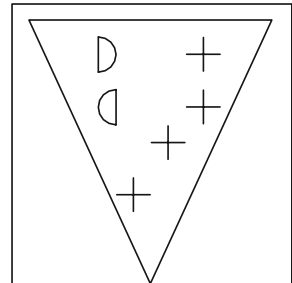
20. Identify the suggested answer shapes that share a feature in common with the question shapes.



A



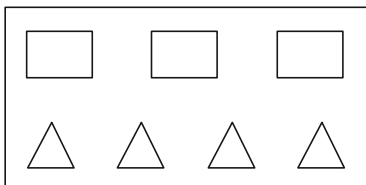
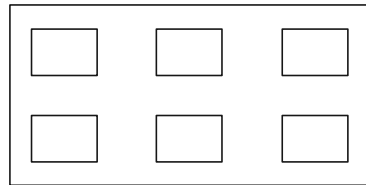
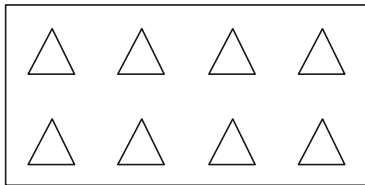
B



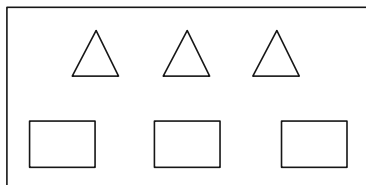
C

Answer

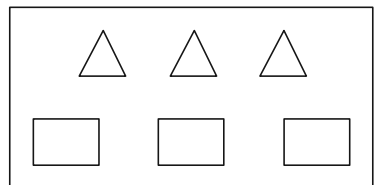
21. Identify the suggested answer shapes that share a feature in common with the question shapes.



A



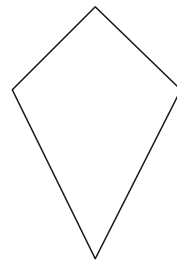
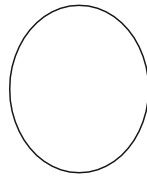
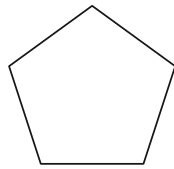
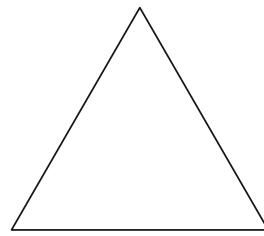
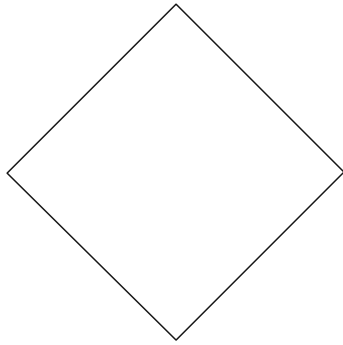
B



C

Answer

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



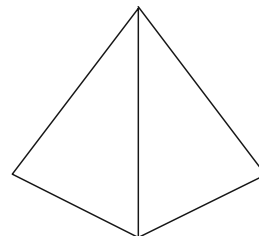
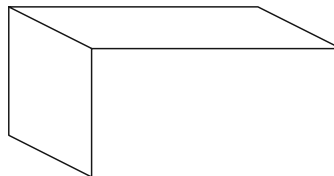
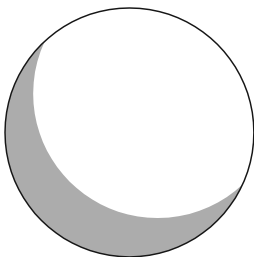
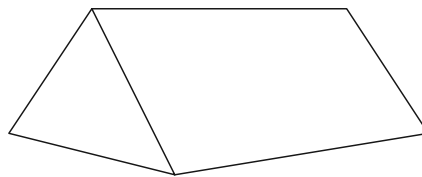
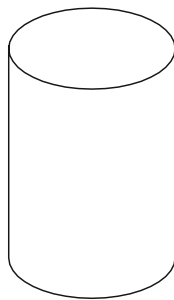
A

B

C

Answer

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



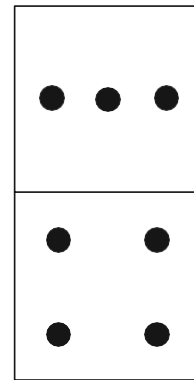
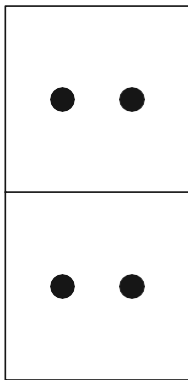
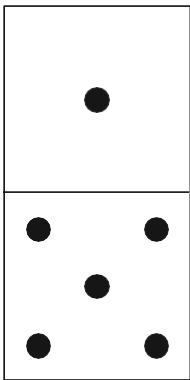
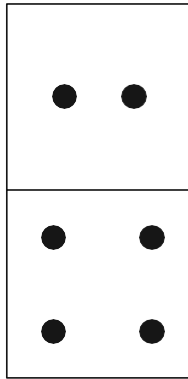
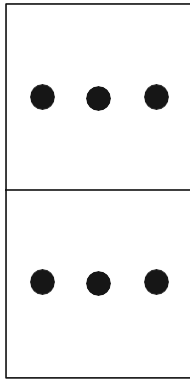
A

B

C

Answer

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



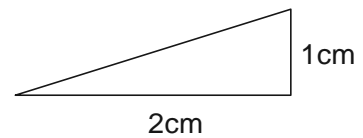
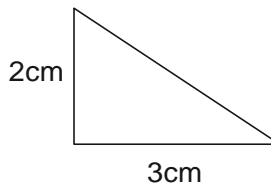
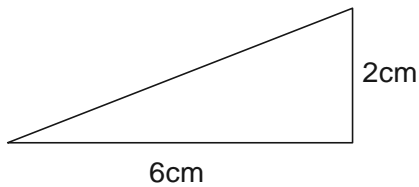
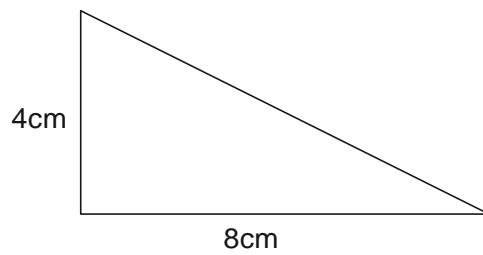
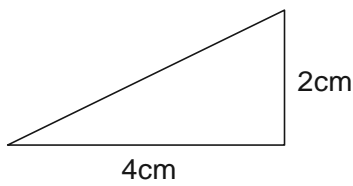
A

B

C

Answer

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



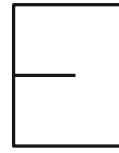
A

B

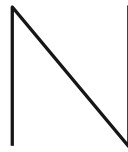
C

Answer

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



A



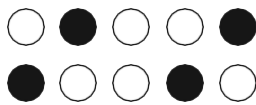
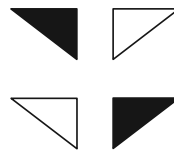
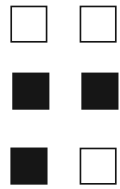
B



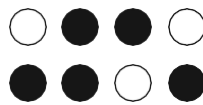
C

Answer

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



A



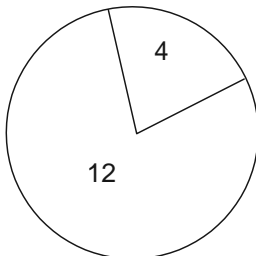
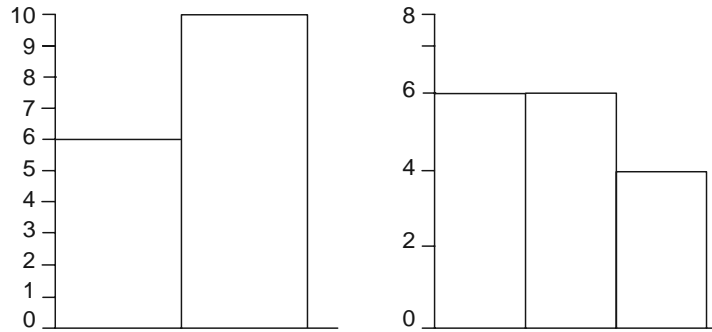
B



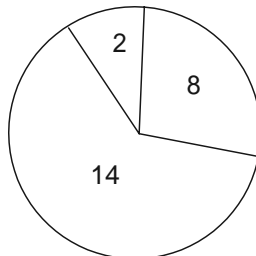
C

Answer

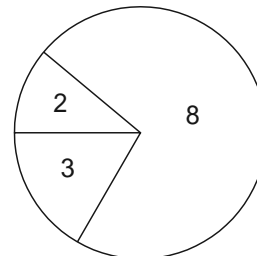
28. Identify the suggested answer shapes that share a feature in common with the question shapes.



A



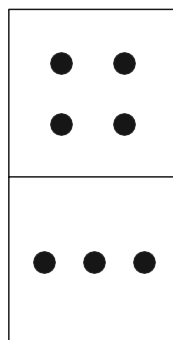
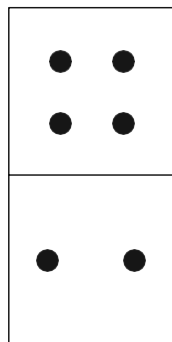
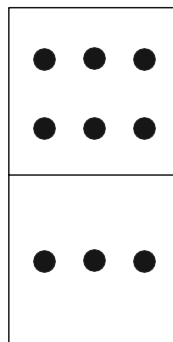
B



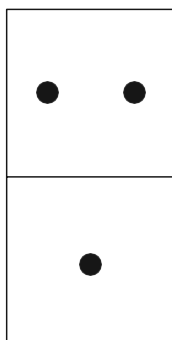
C

Answer

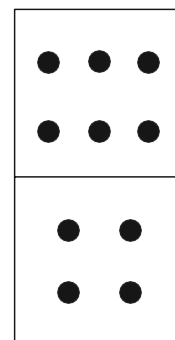
29. Identify the suggested answer shapes that share a feature in common with the question shapes.



A



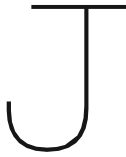
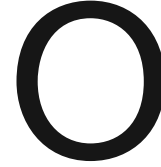
B



C

Answer

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



A

B

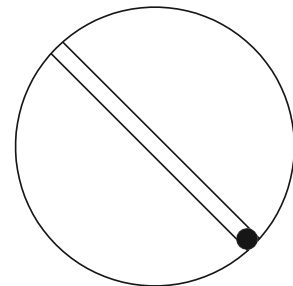
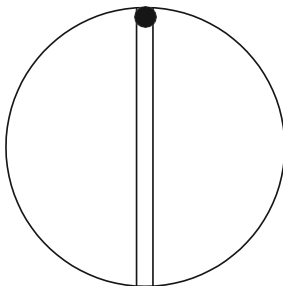
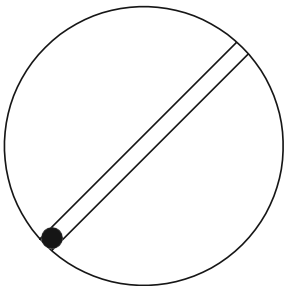
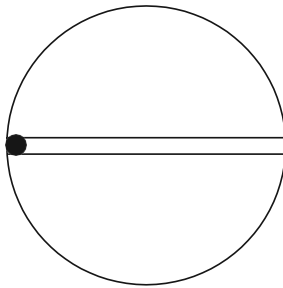
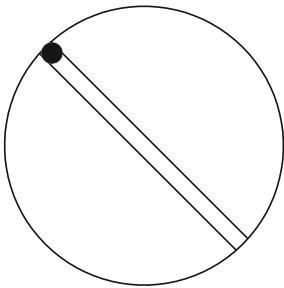
C

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

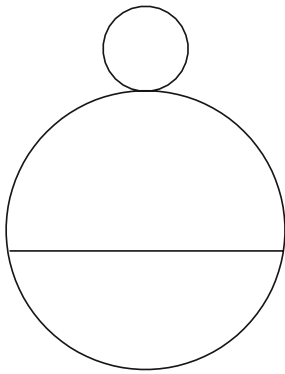
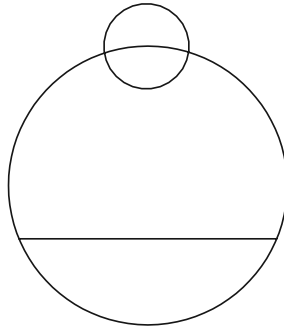
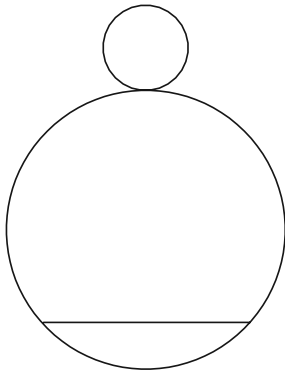
B

C

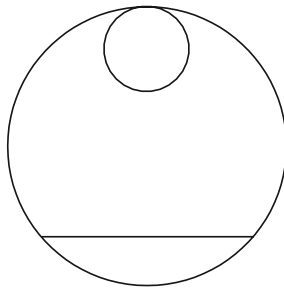
Answer



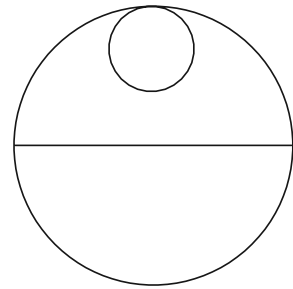
32. Which of the suggested answers is the next step or the missing step in the series?



A



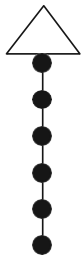
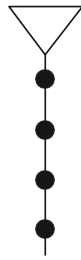
B



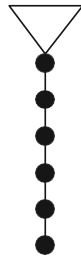
C

Answer

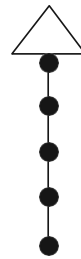
33. Which of the suggested answers is the next step or the missing step in the series?



A



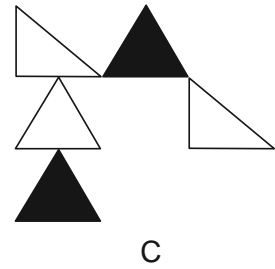
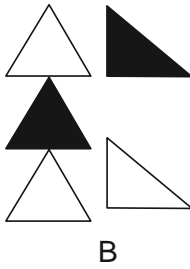
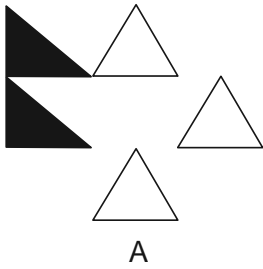
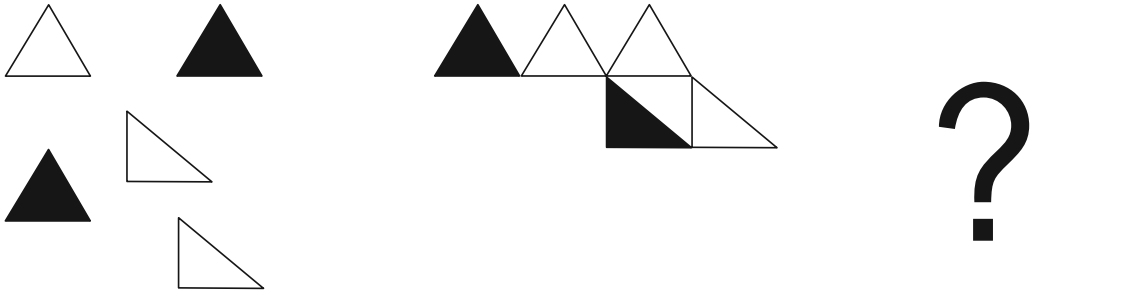
B



C

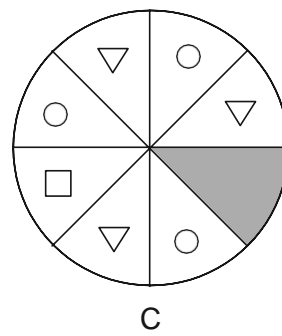
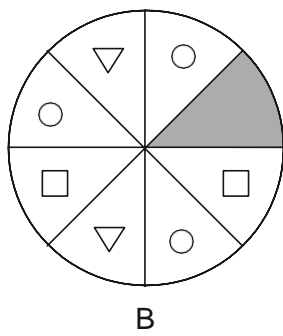
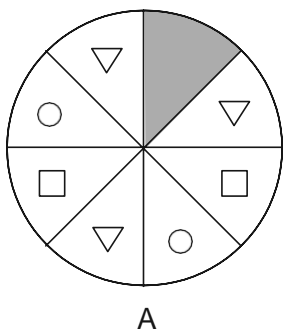
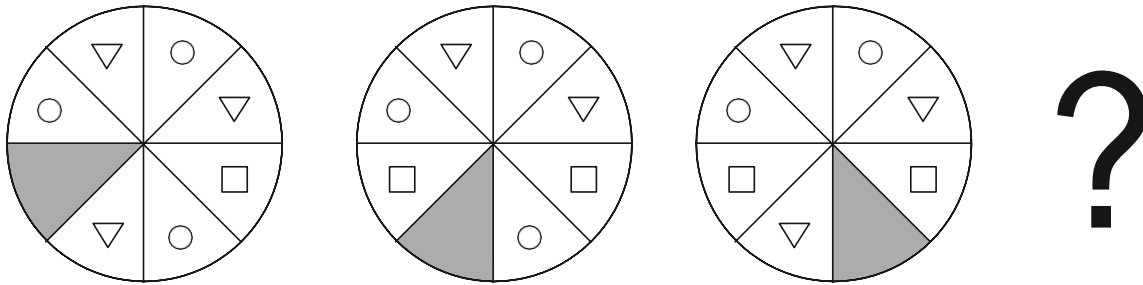
Answer

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



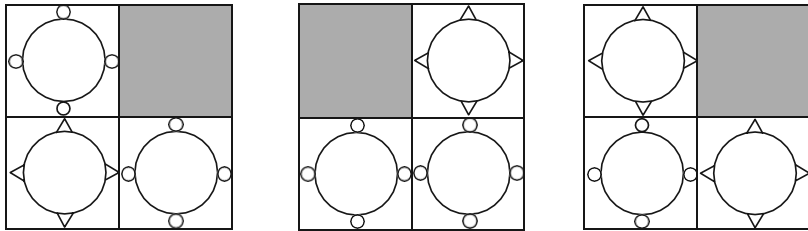
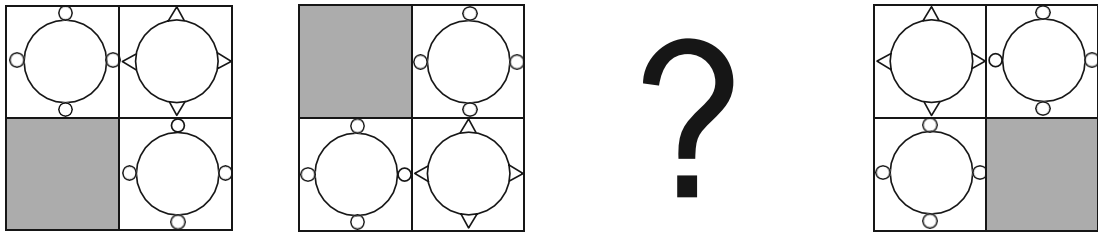
Answer

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?



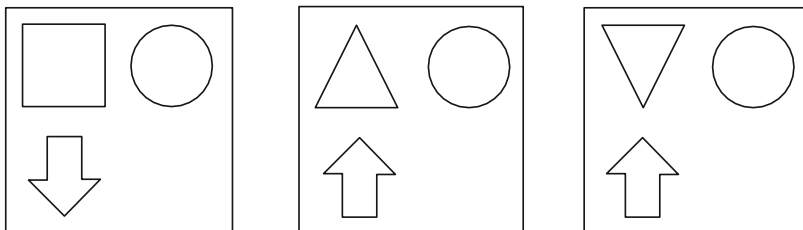
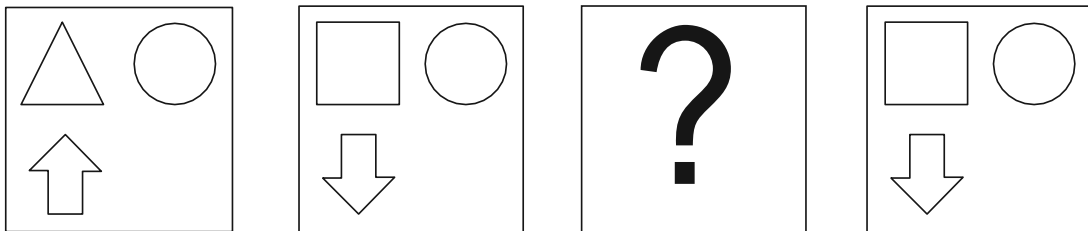
A

B

C

Answer

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



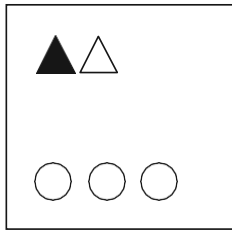
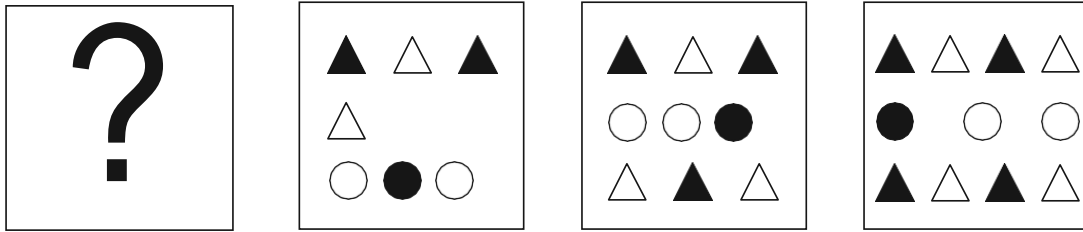
A

B

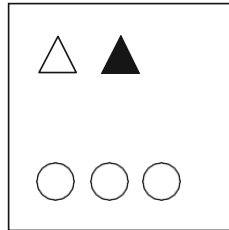
C

Answer

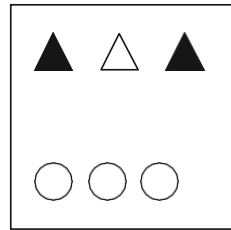
38. Which of the suggested answers is the next step or the missing step in the series?



A



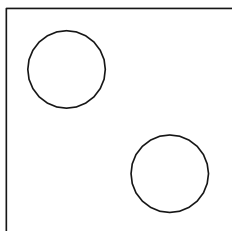
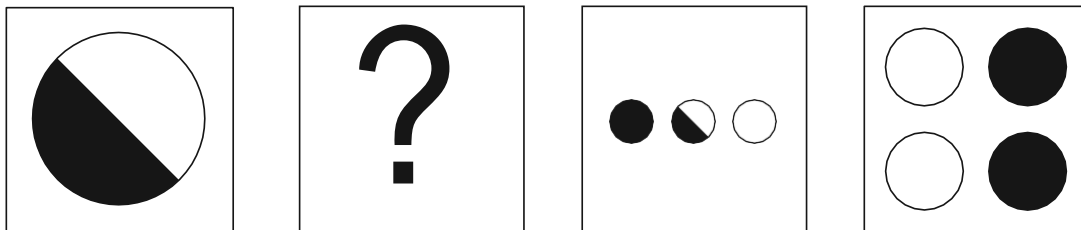
B



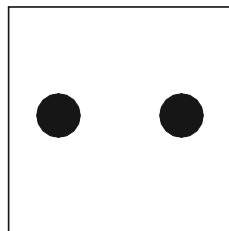
C

Answer

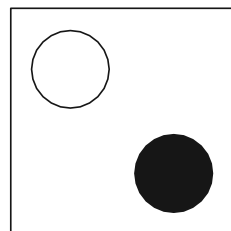
39. Which of the suggested answers is the next step or the missing step in the series?



A



B



C

Answer

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

A	B	C	

Answer

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

A	B	C	

Answer

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

A	B	C	

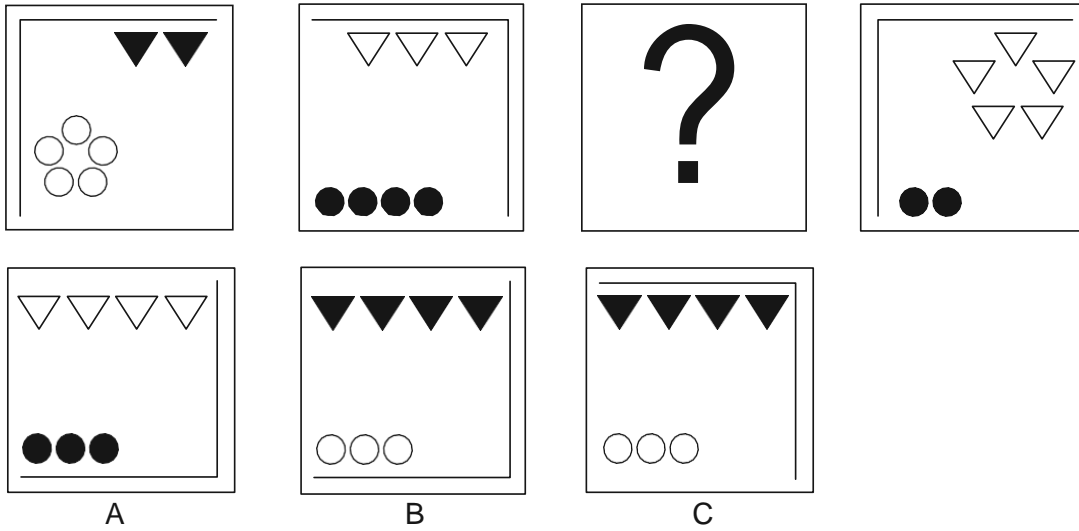
Answer

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

A	B	C	

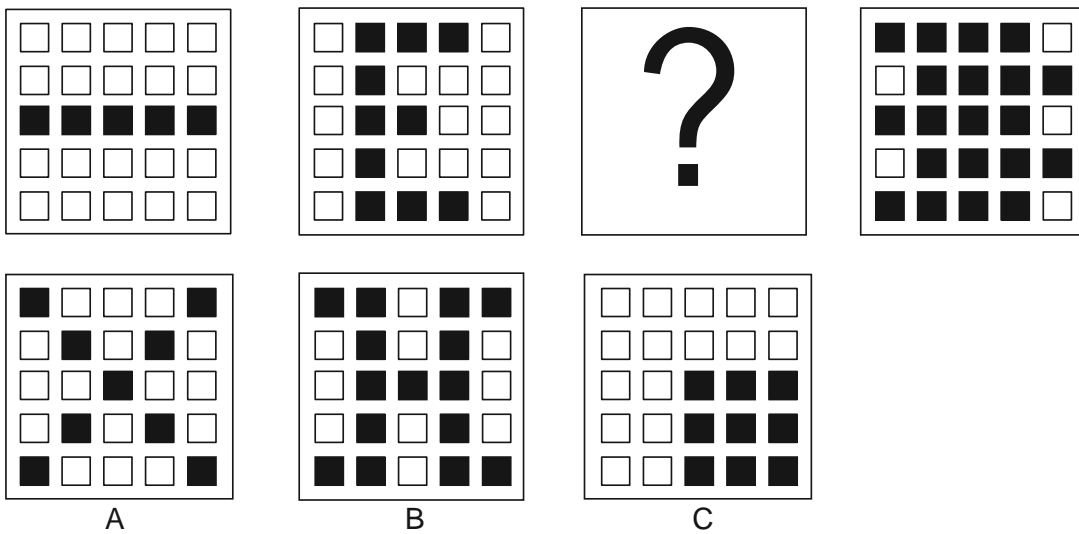
Answer

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



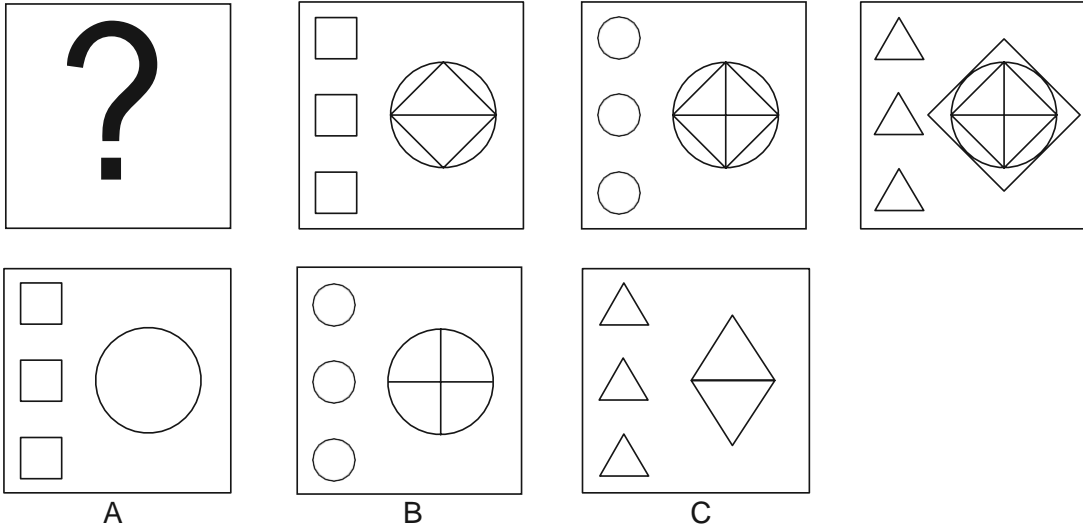
Answer

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



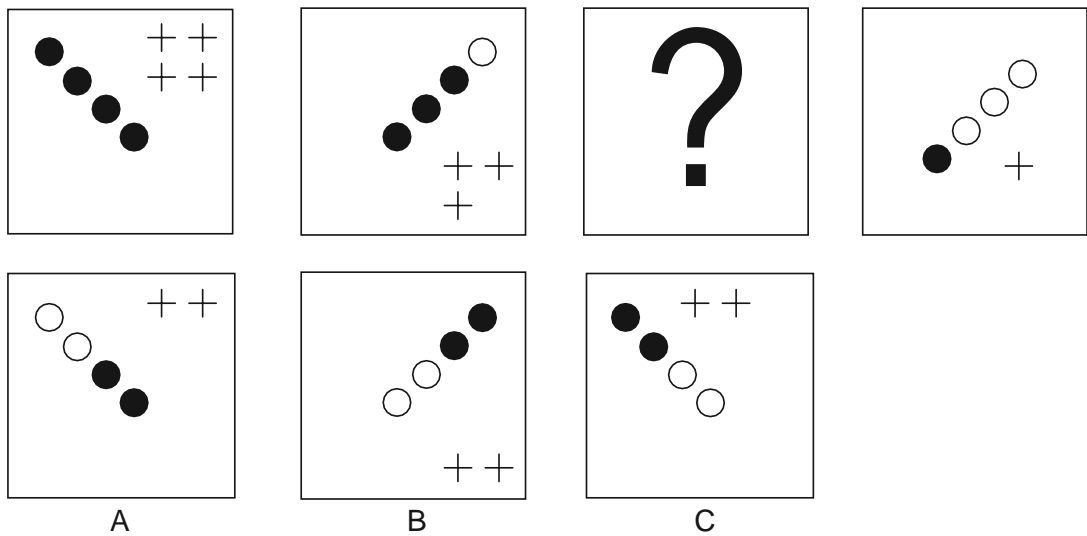
Answer

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



Answer

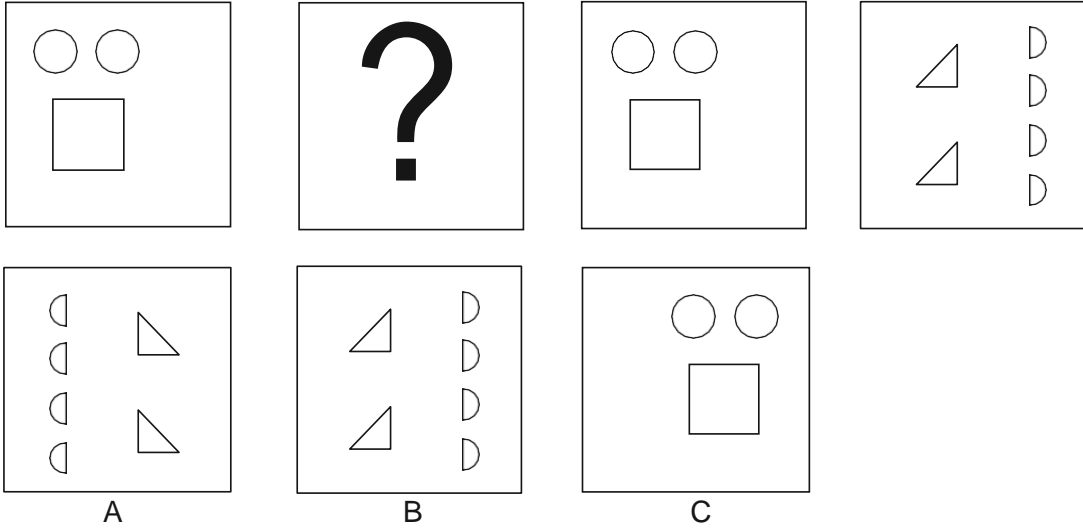
47. Which of the suggested answers is the next step or the missing step in the series?



Answer

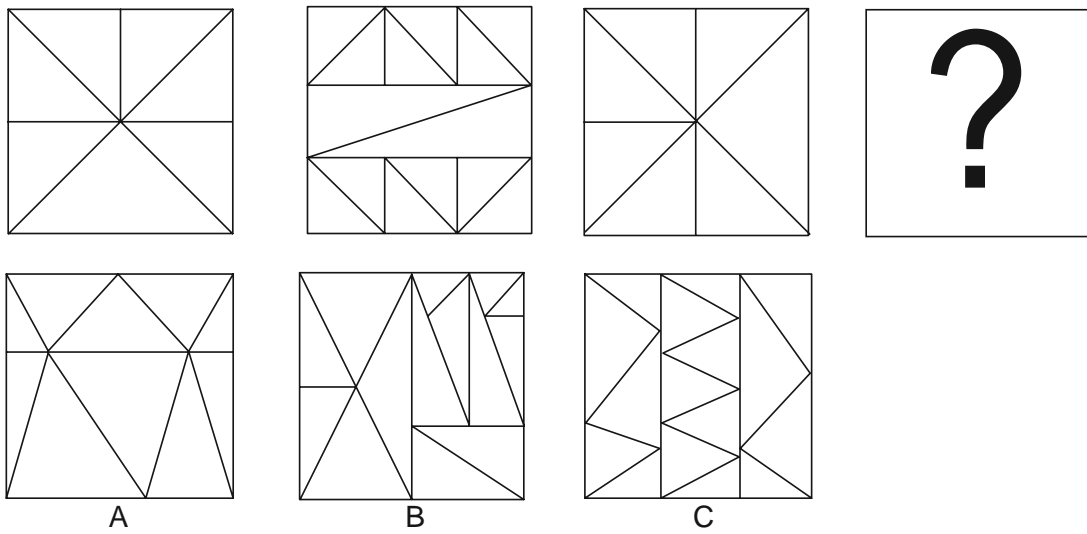


48. Which of the suggested answers is the next step or the missing step in the series?



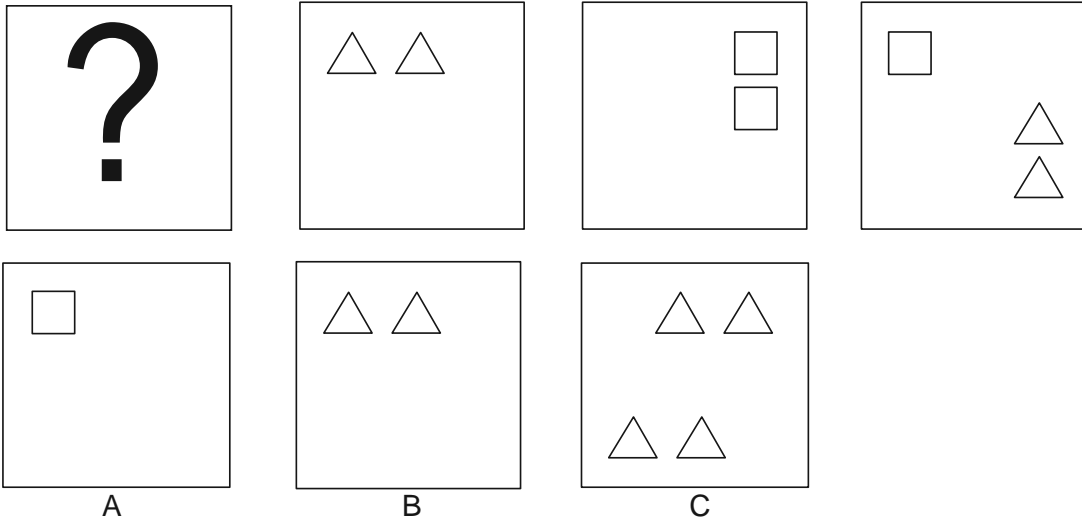
Answer

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



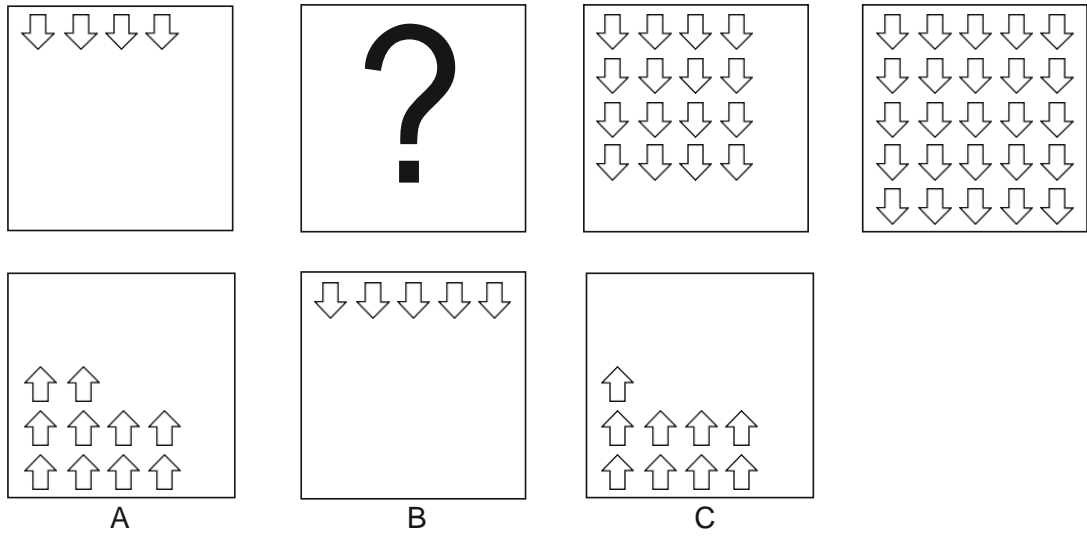
Answer

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



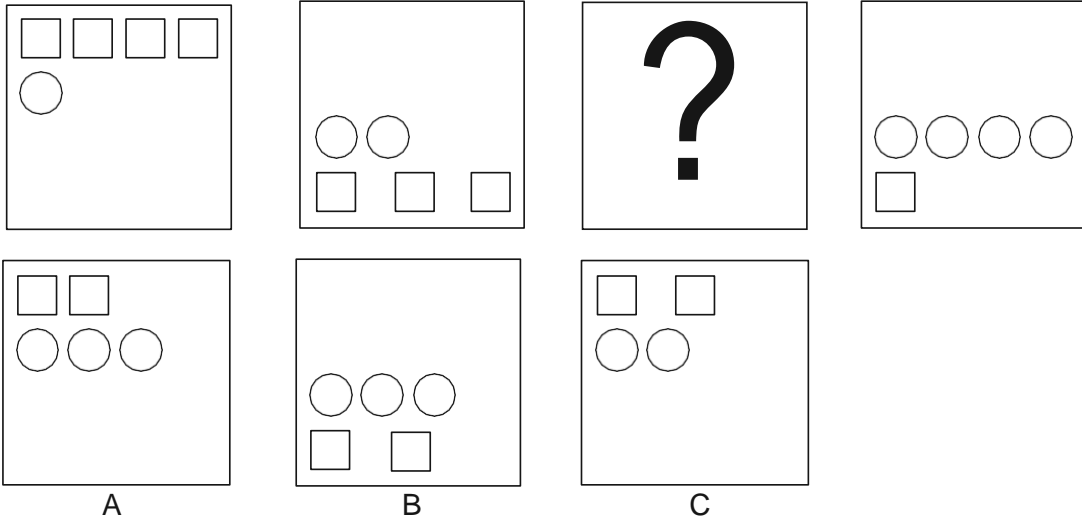
Answer

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



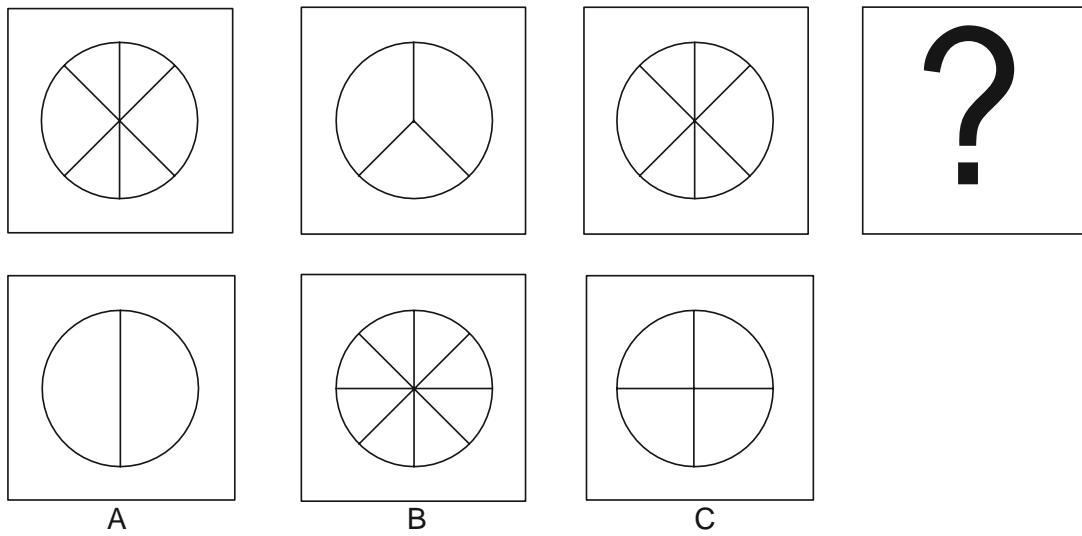
Answer

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



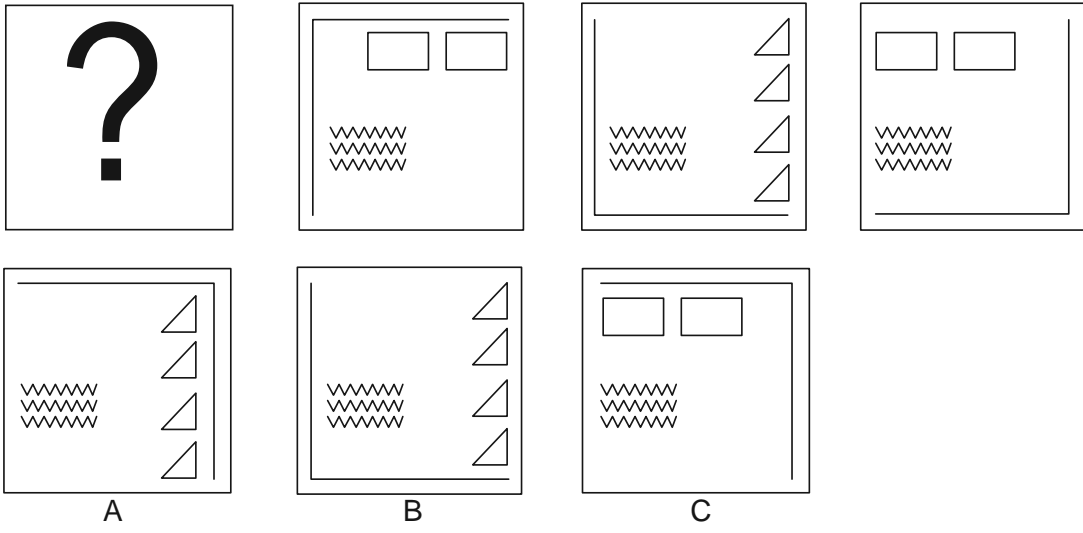
Answer

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



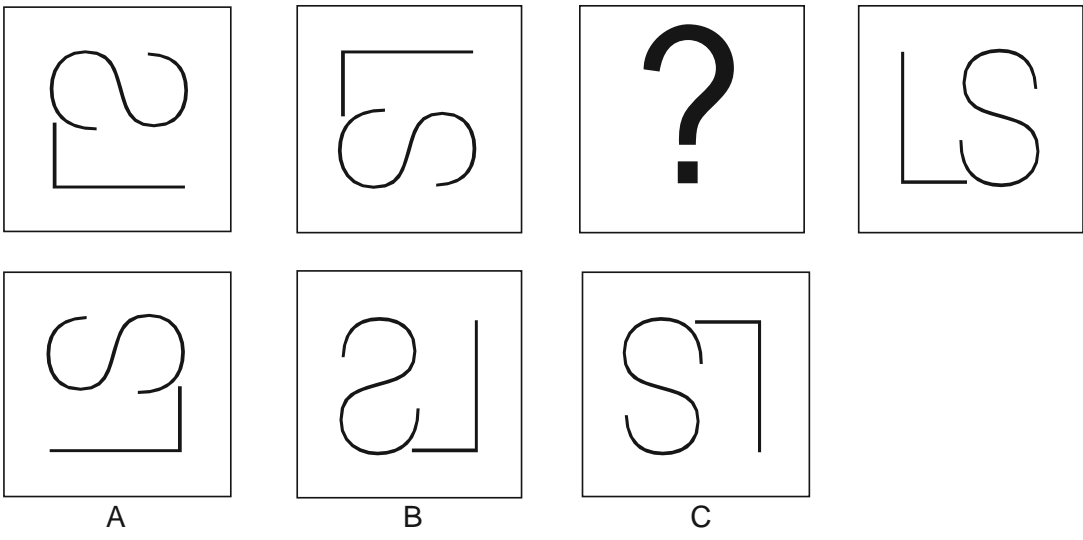
Answer

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



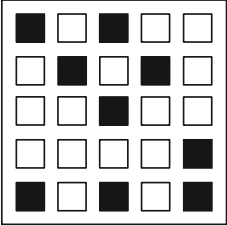
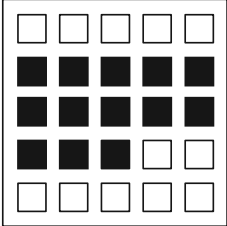
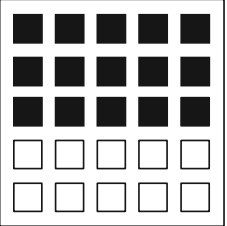

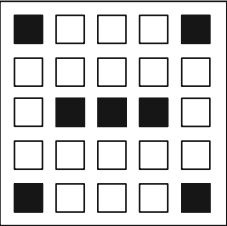
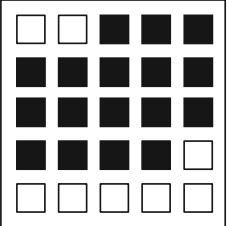
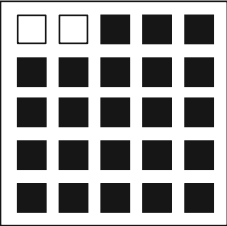
Answer

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



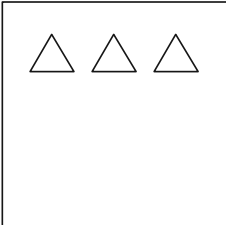

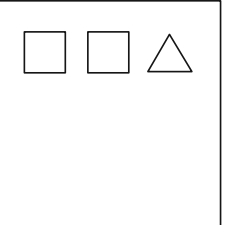
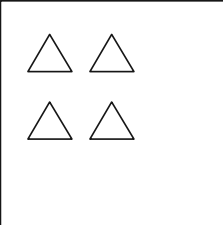
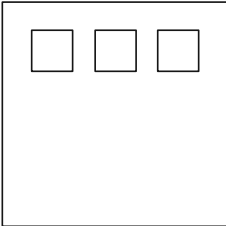
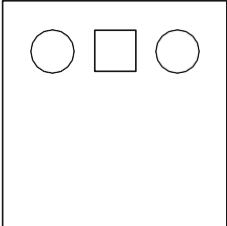
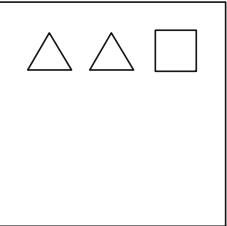
Answer

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

			
			
A	B	C	

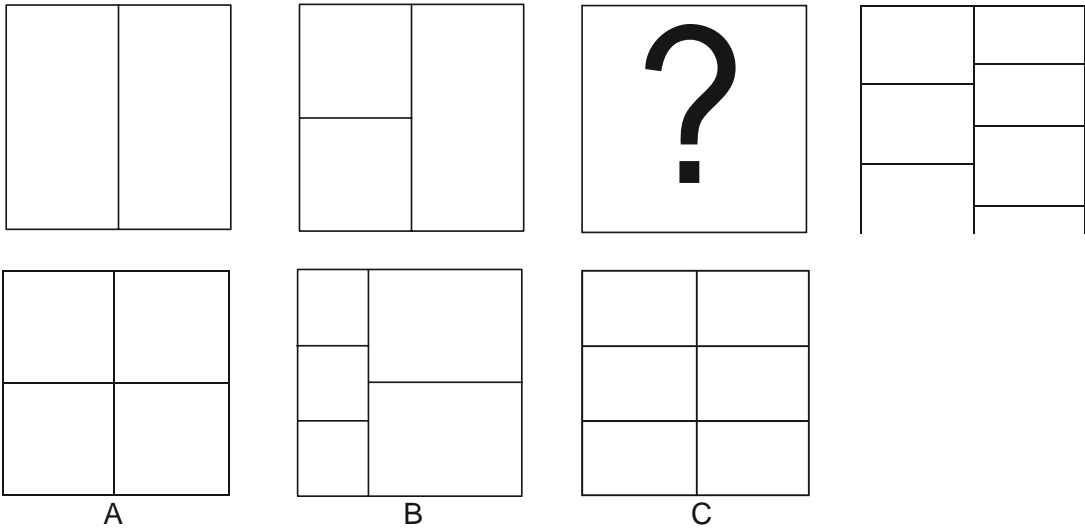
Answer

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

			
			
A	B	C	

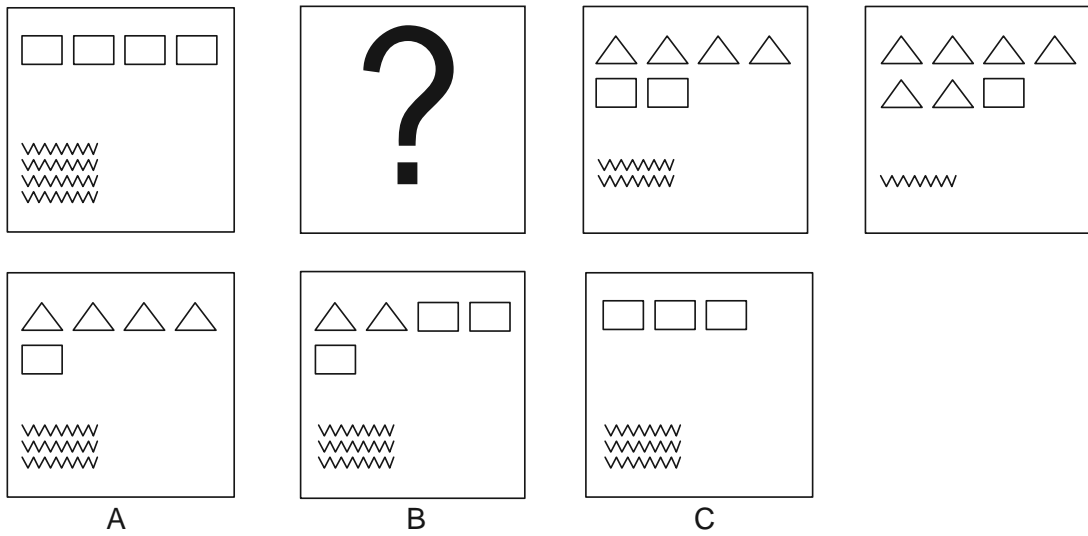
Answer

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



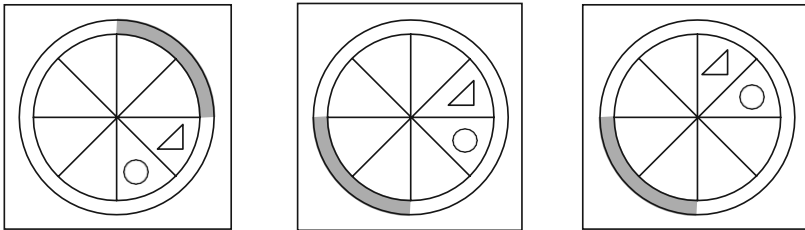
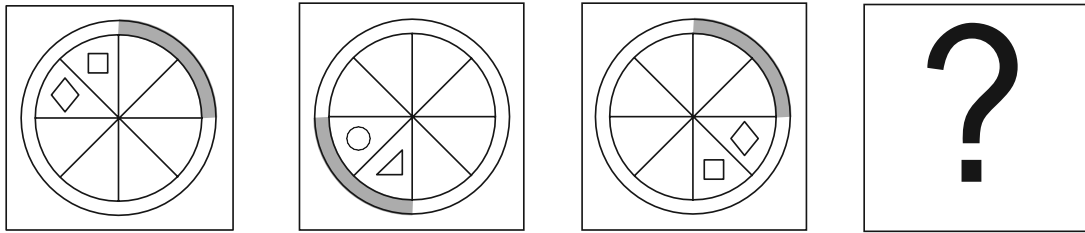
Answer

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?



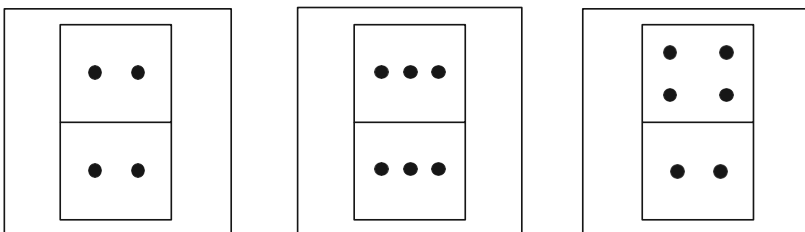
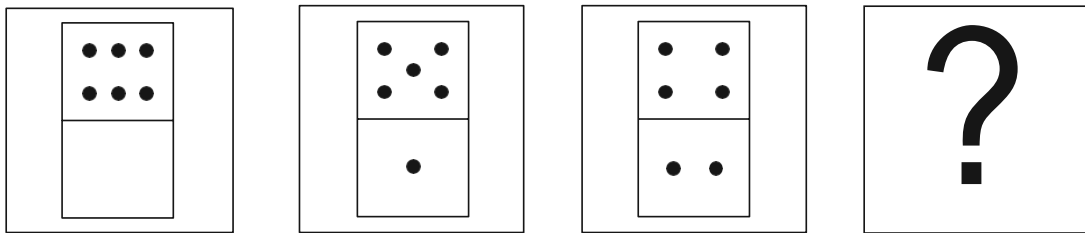
A

B

C

Answer

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



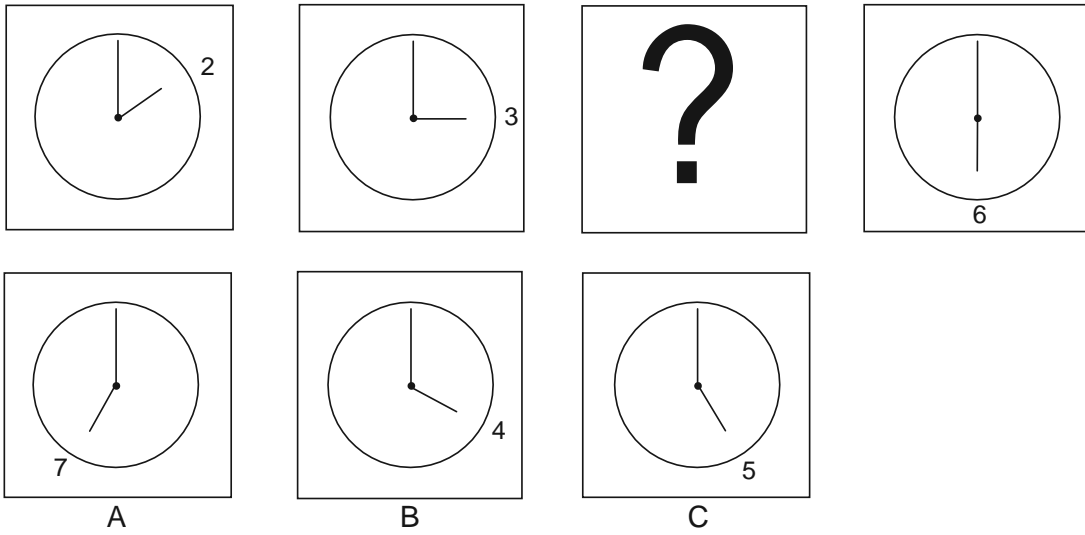
A

B

C

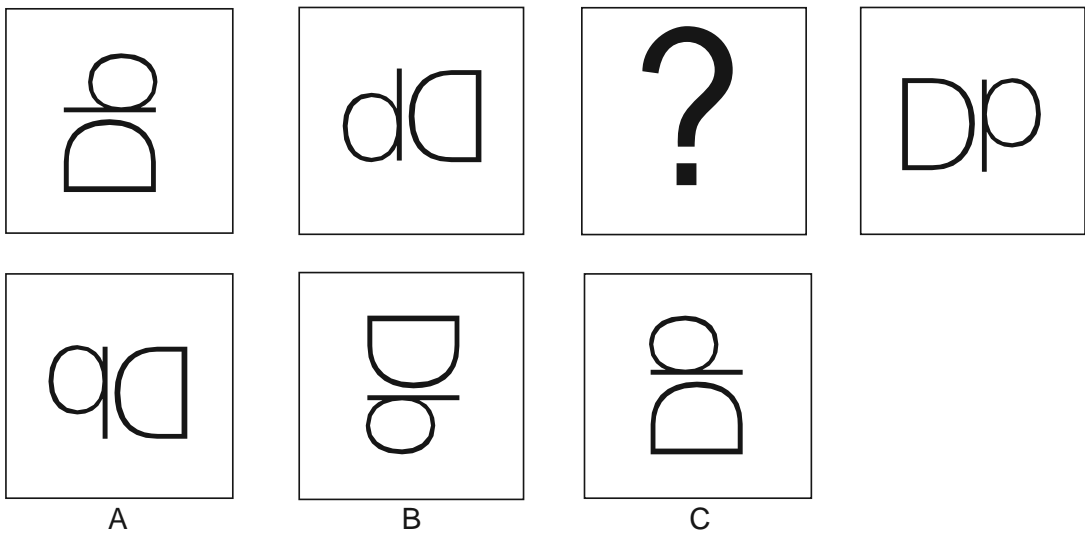
Answer

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



Answer

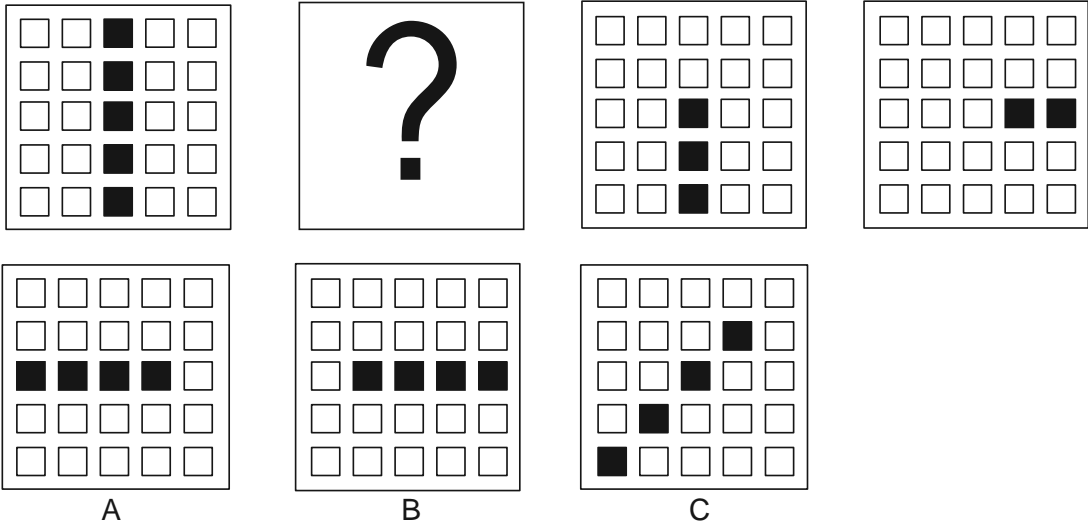
63. Which of the suggested answers is the next step or the missing step in the series?



Answer

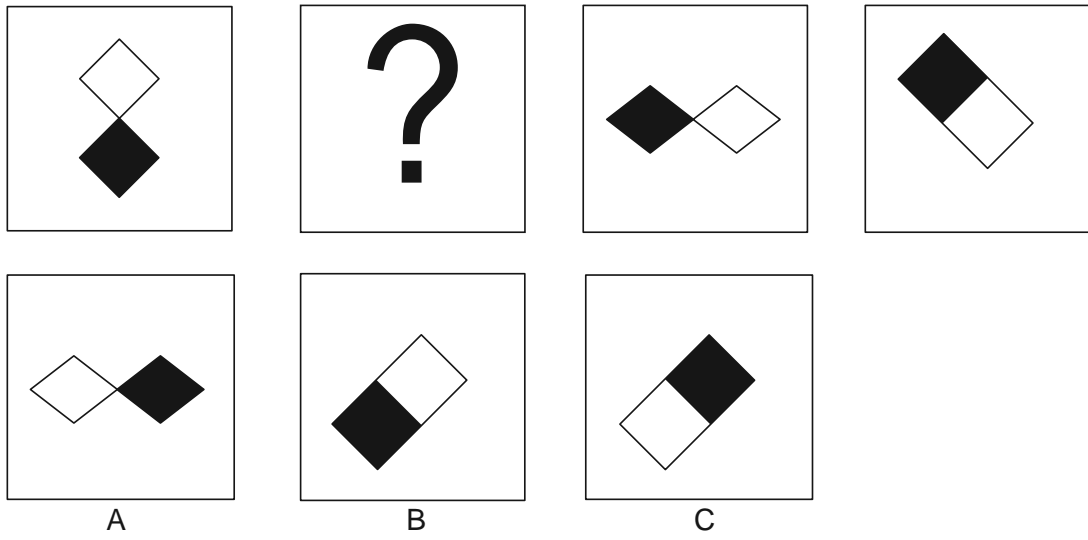


64. Which of the suggested answers is the next step or the missing step in the series?



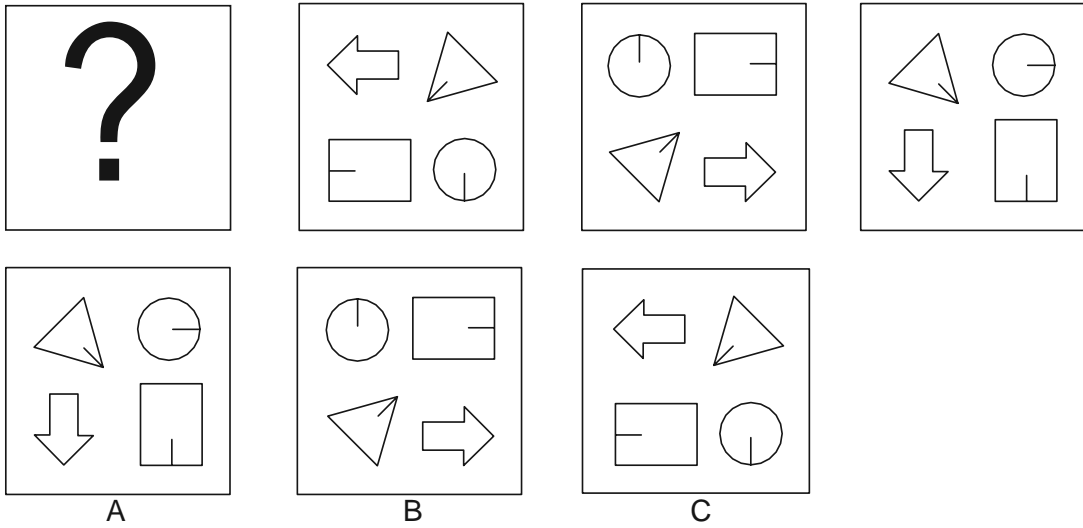
Answer

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



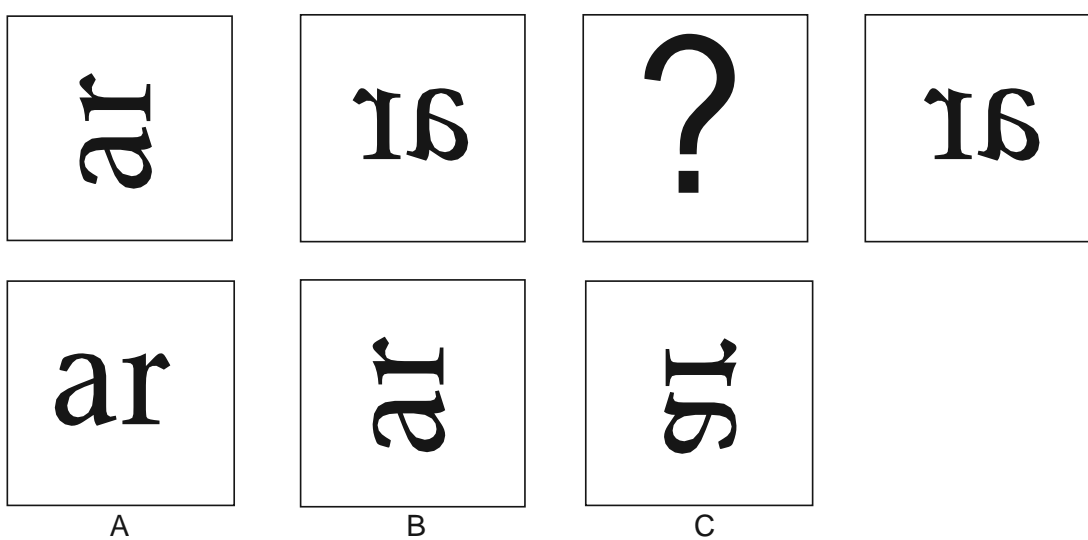
Answer

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



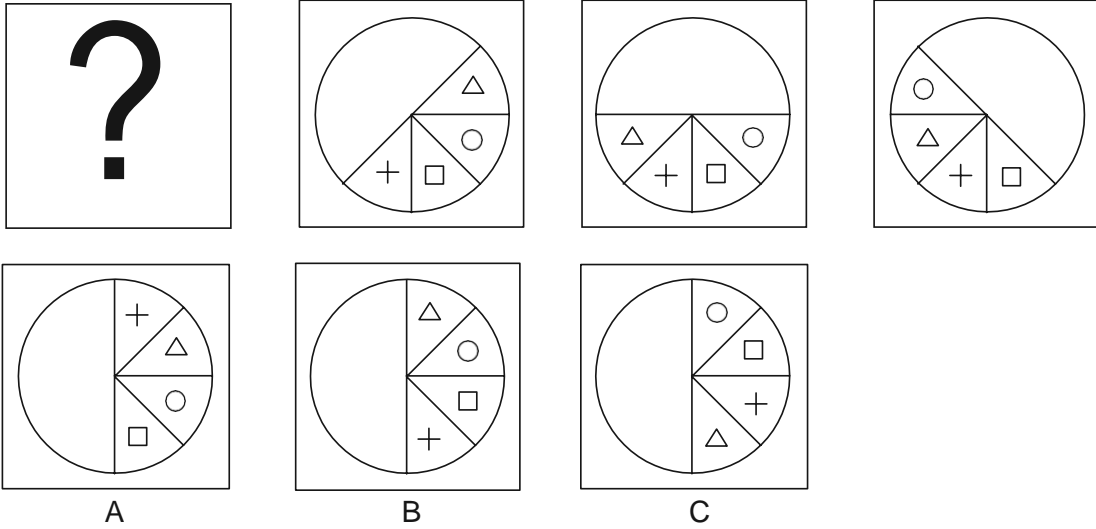
Answer

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



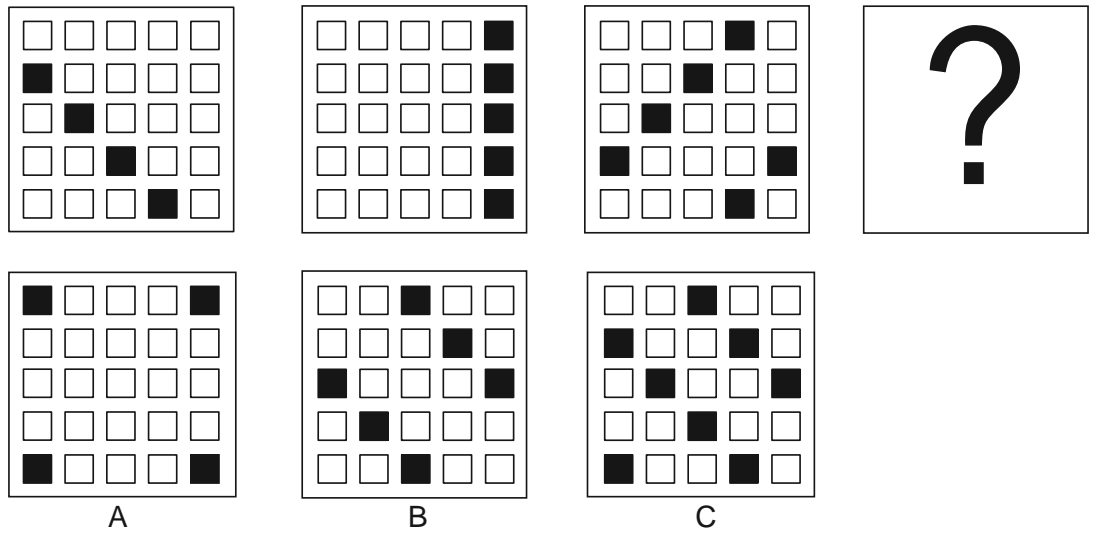
Answer

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



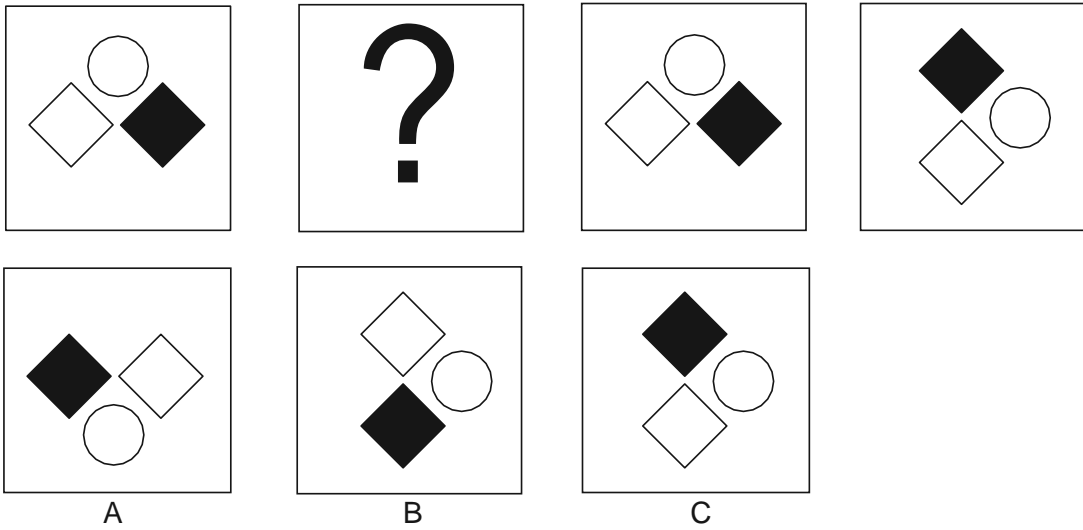
Answer

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



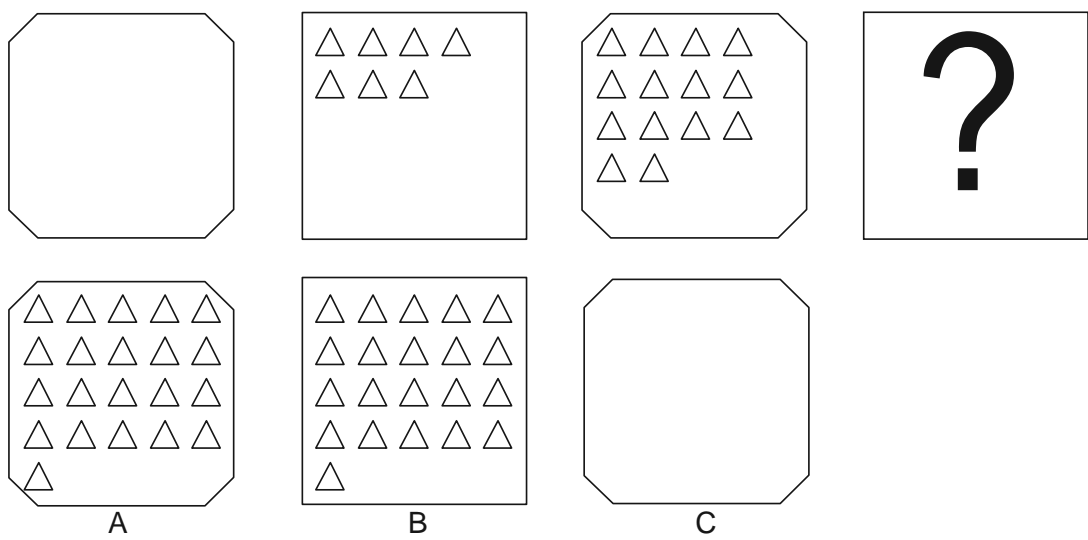
Answer

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



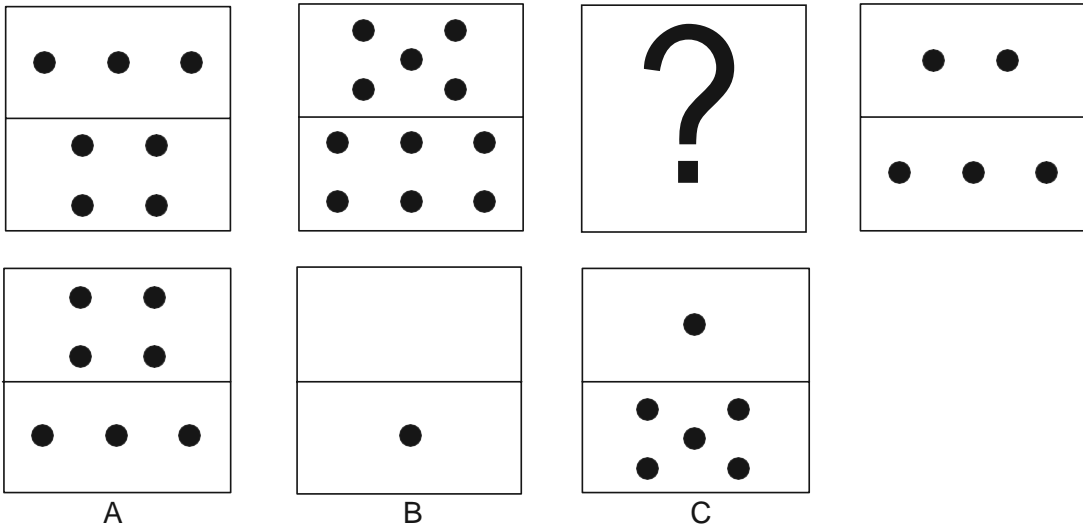
Answer

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



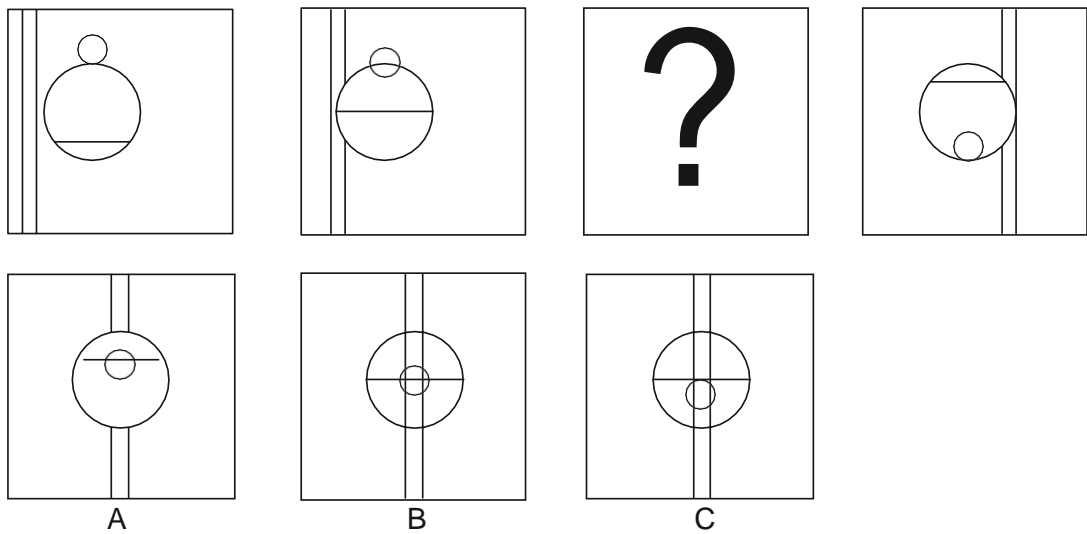
Answer

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



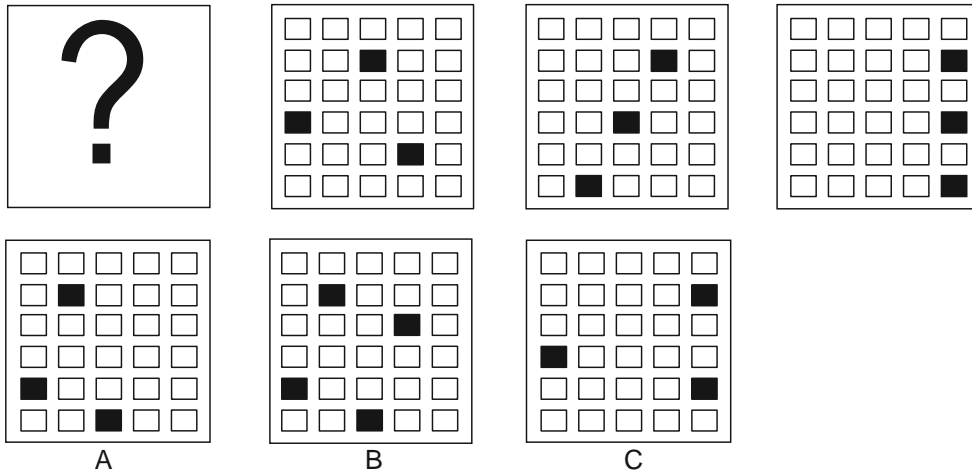
Answer

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



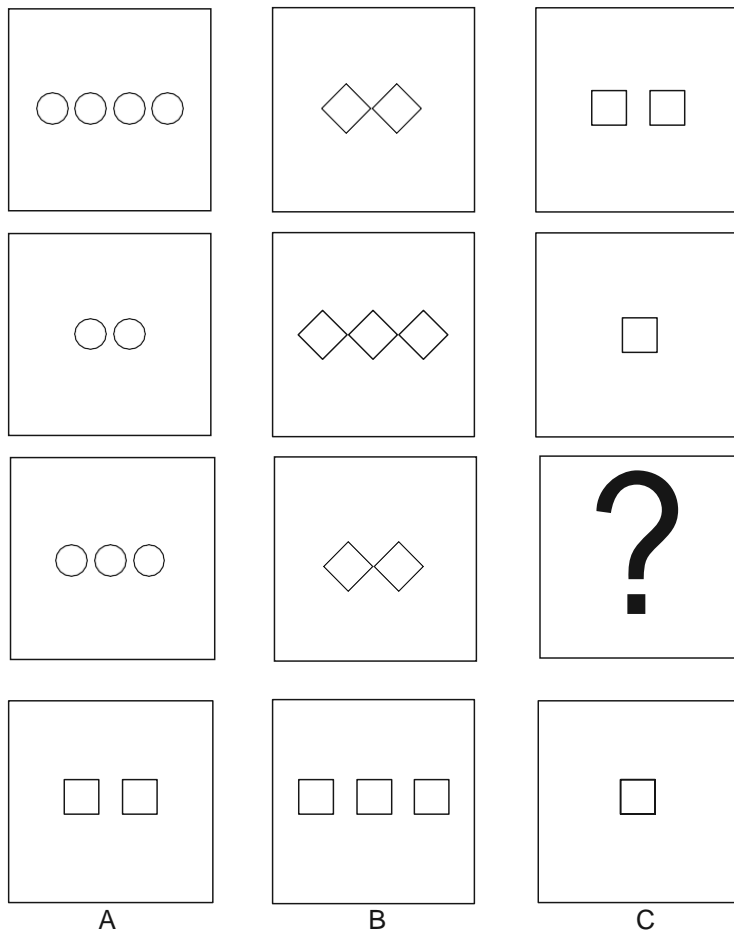
Answer

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



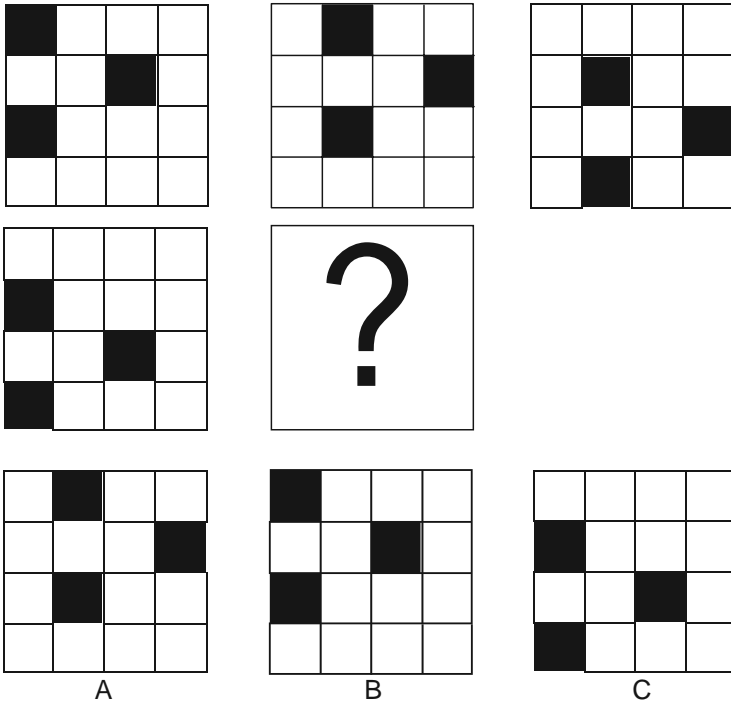
Answer

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



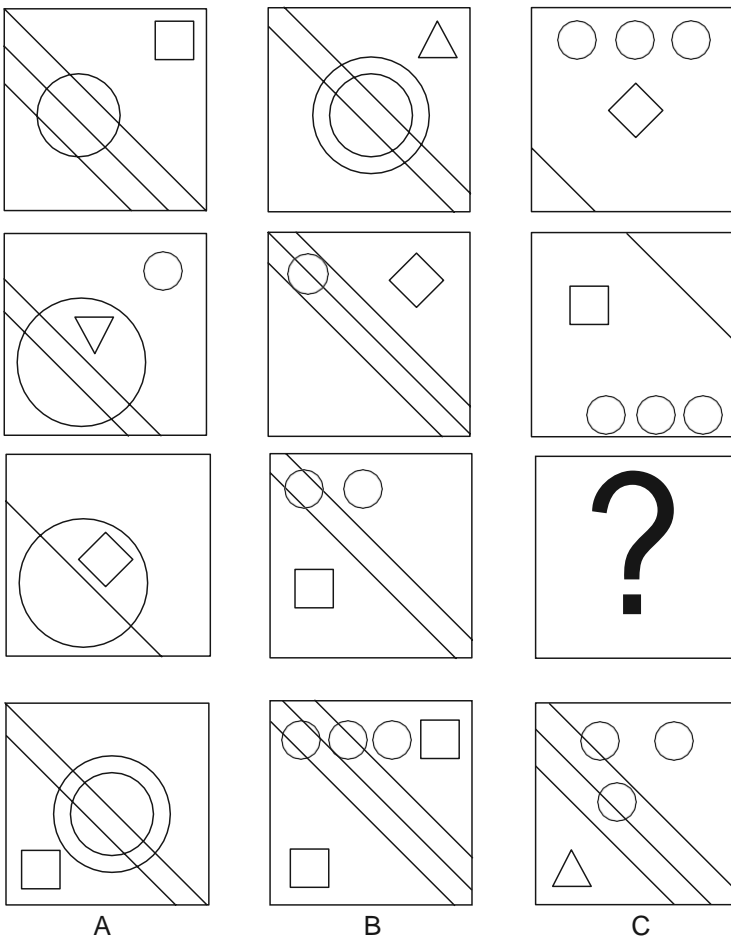
Answer

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



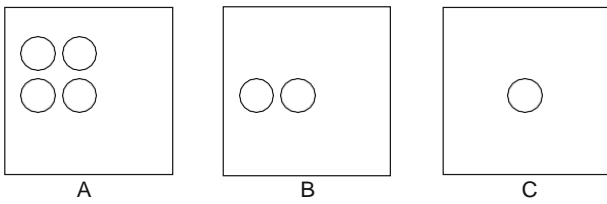
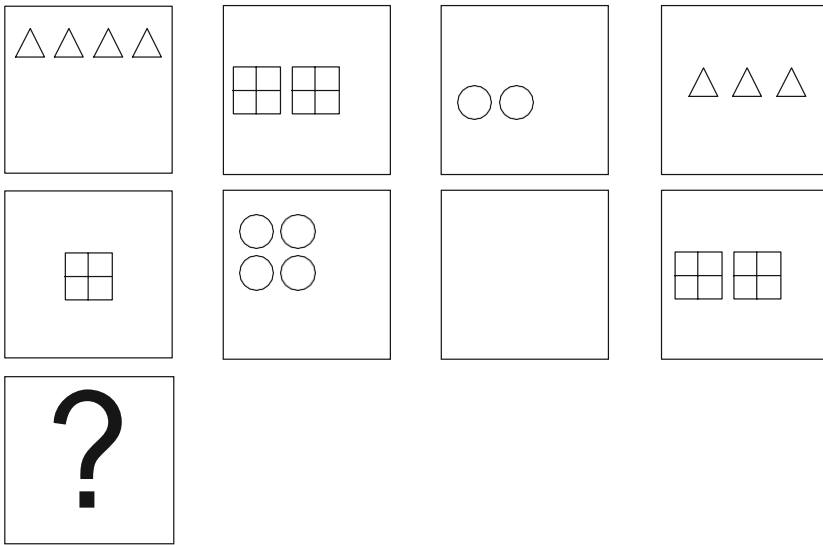
Answer

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



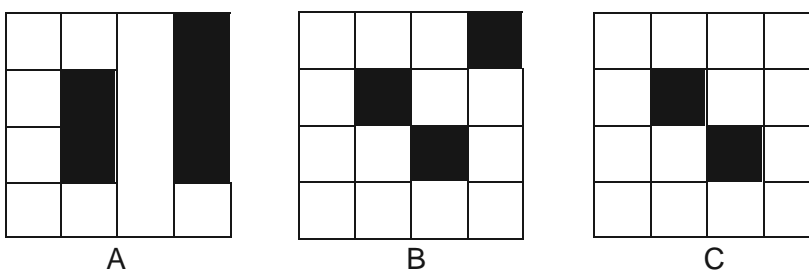
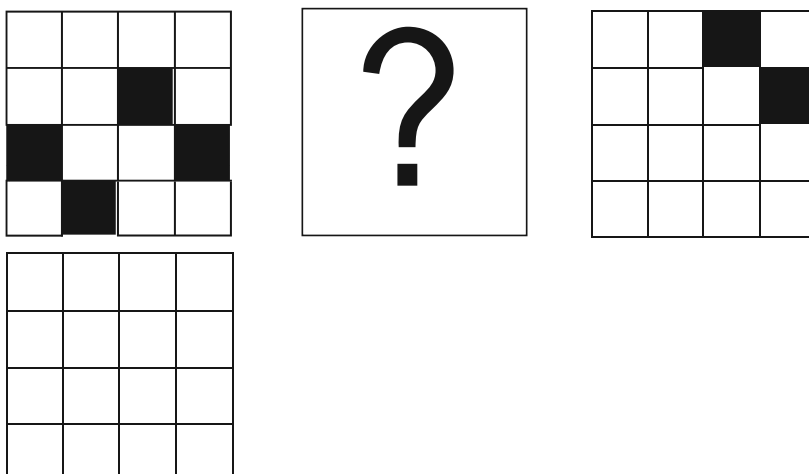
Answer

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



Answer

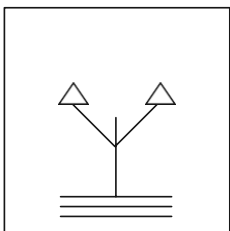
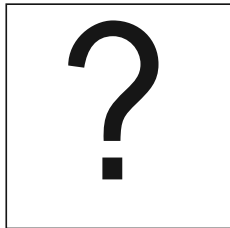
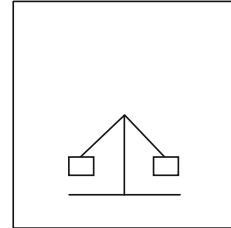
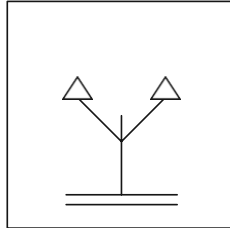
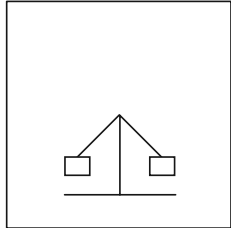
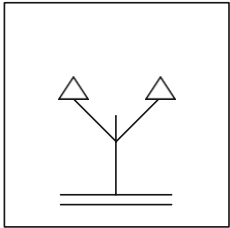
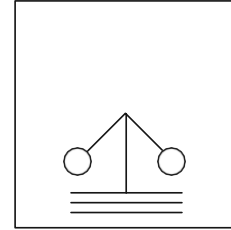
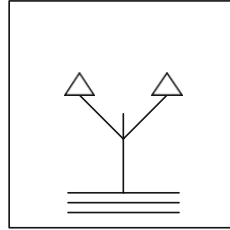
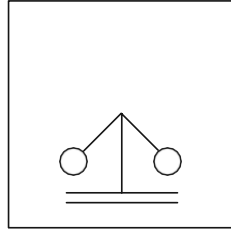
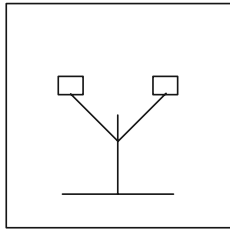
79. Which of the suggested answers is the next step or the missing step in the series?



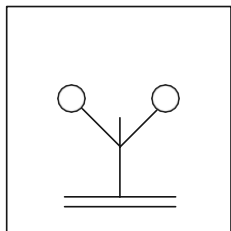
Answer



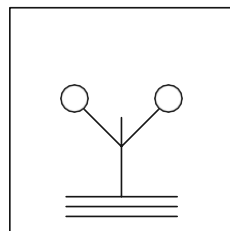
80. Which of the suggested answers is the next step or the missing step in the series?



A



B



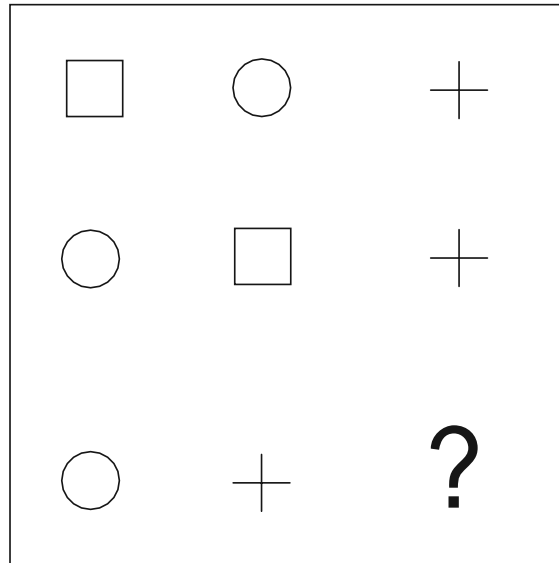
C

Answer

## Completing the series in columns and rows

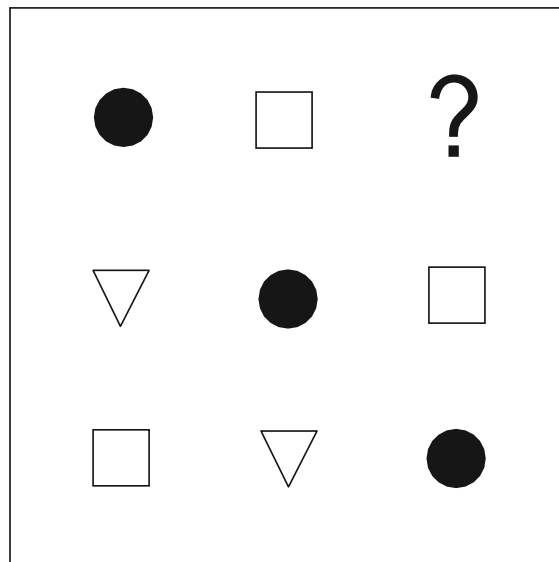
This style of question requires the series to be continued either horizontally or vertically or both. There are 20 examples with answers and explanations.

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



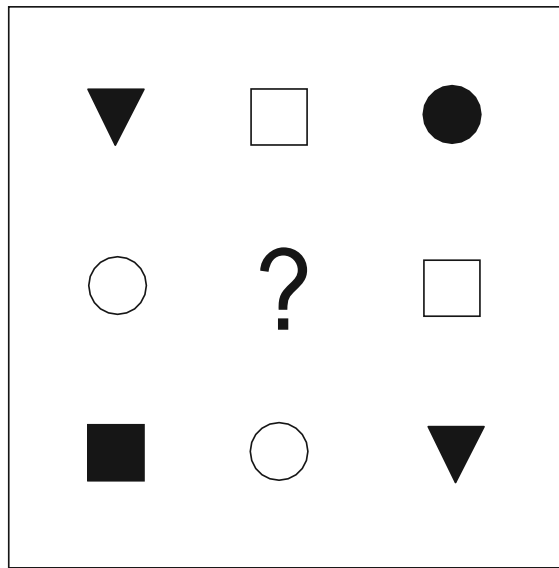
Answer

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



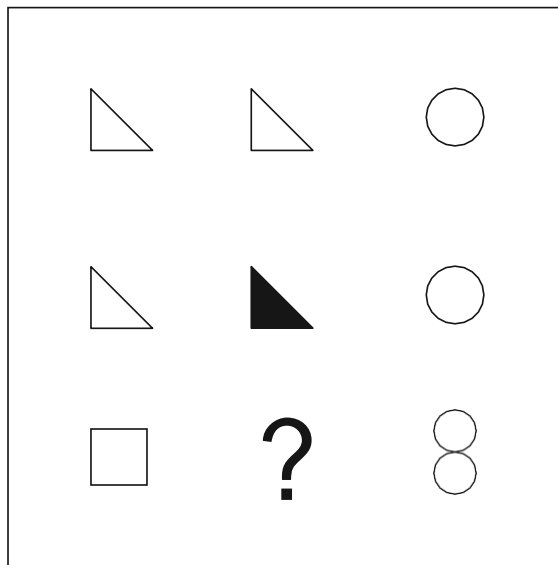
Answer

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



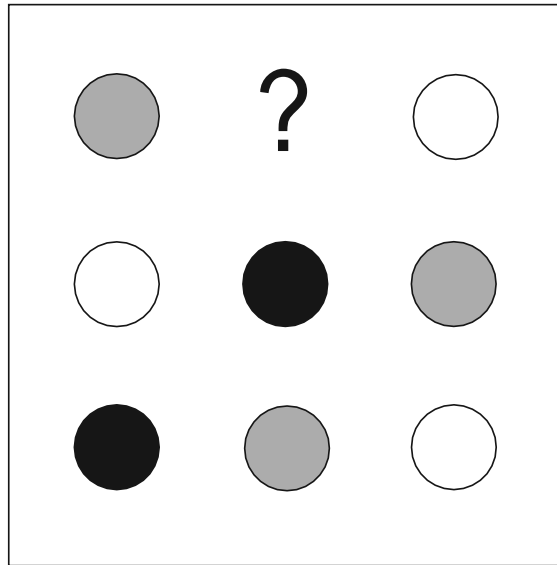
Answer

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



Answer

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



A



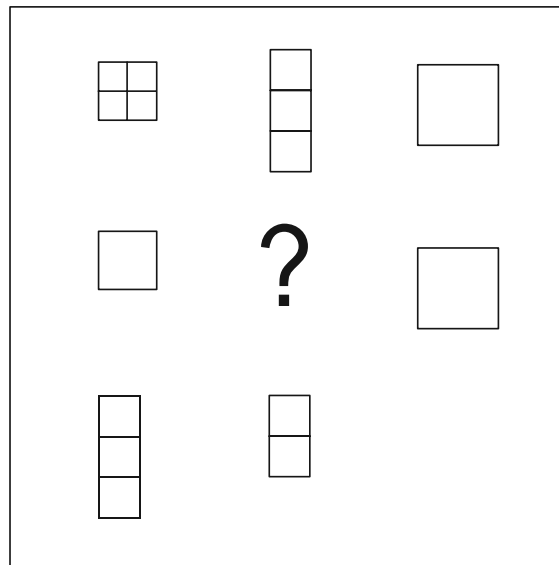
B



C

Answer

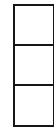
86. Identify the suggested answer that correctly completes the series.



A



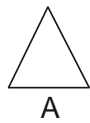
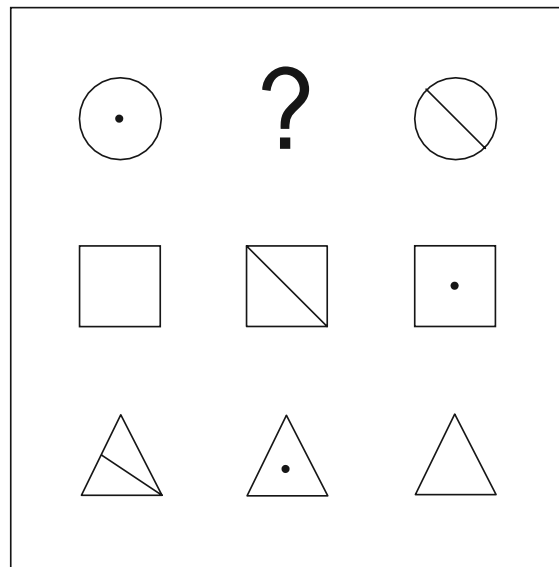
B



C

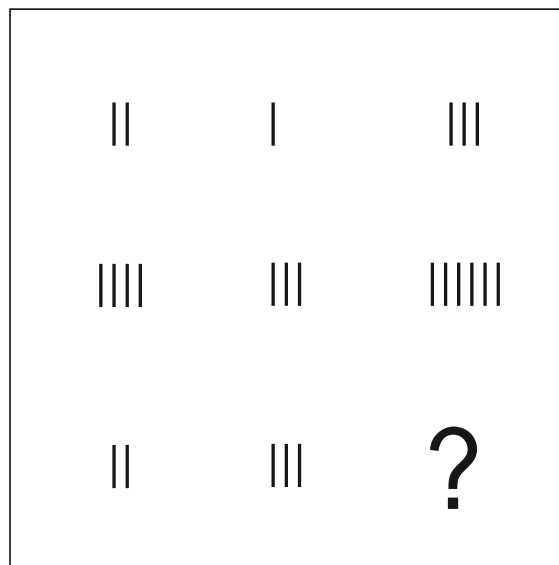
Answer

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



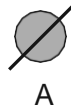
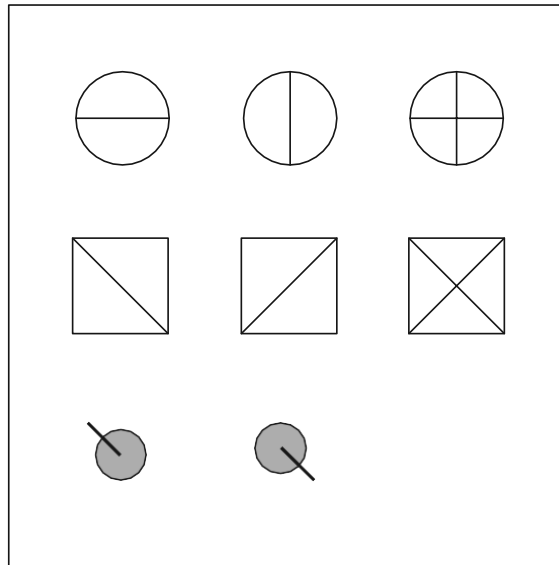
Answer

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



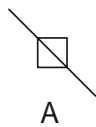
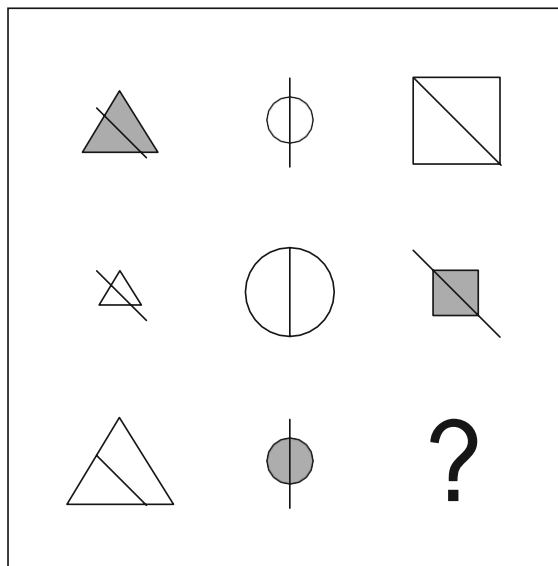
Answer

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



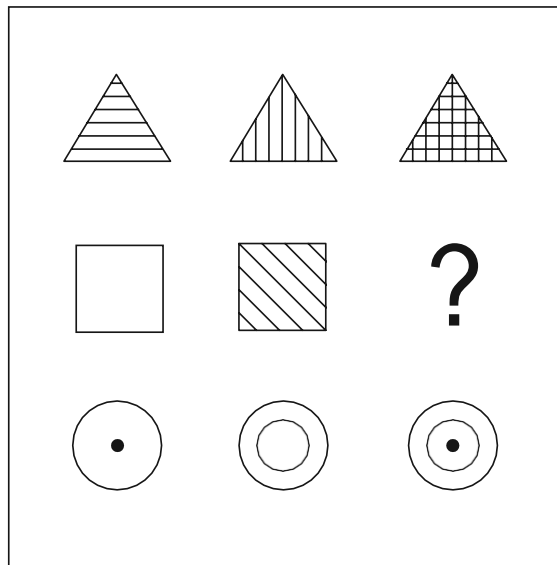
Answer

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



Answer

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



A



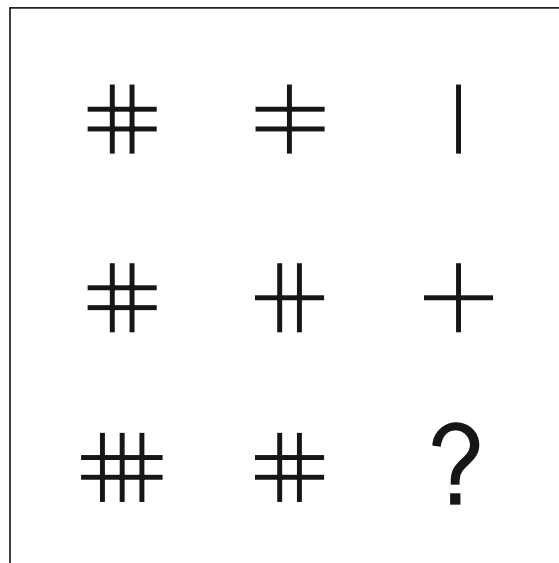
B



C

Answer

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



A



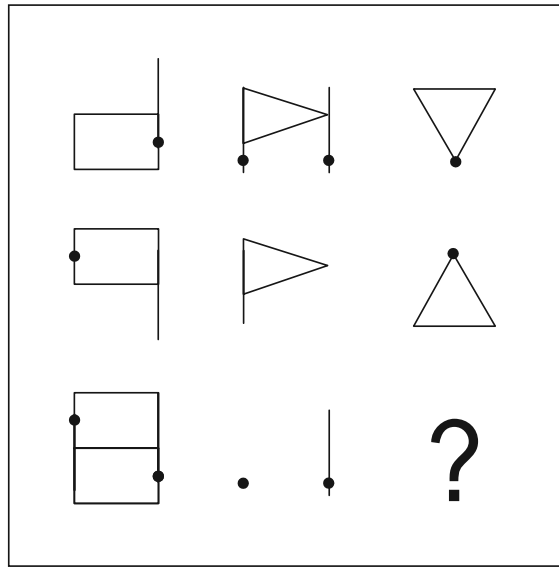
B



C

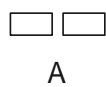
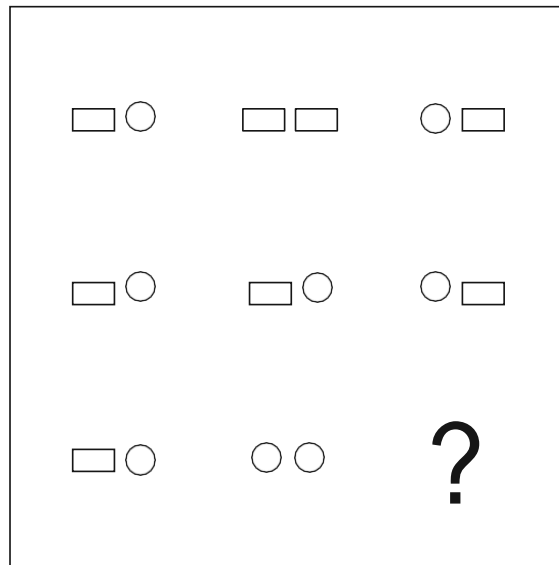
Answer

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



Answer

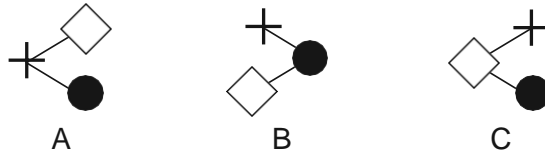
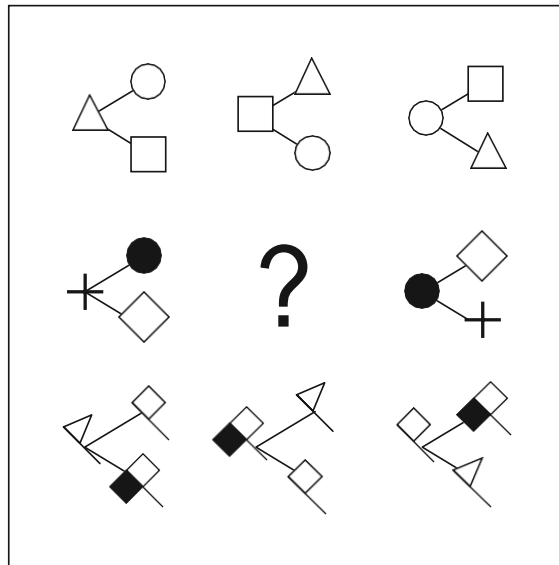
94. Identify the suggested answer that correctly completes the series.



Answer

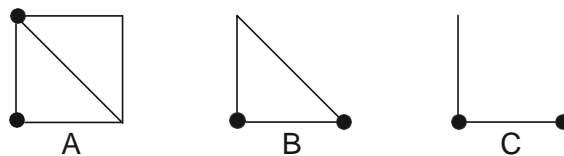
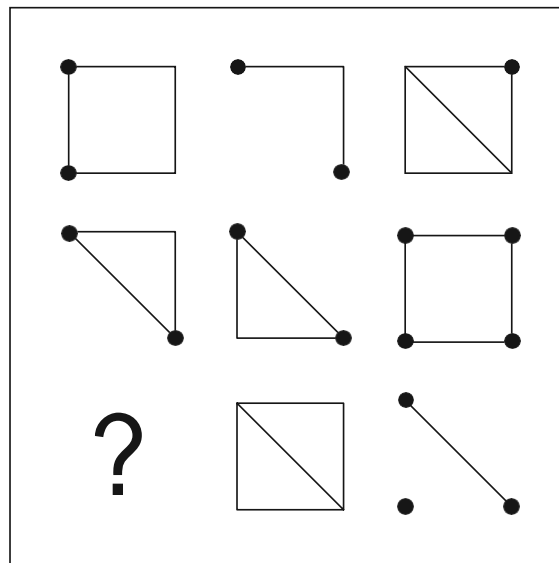


173. Identify the suggested answer that correctly completes the series.



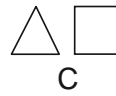
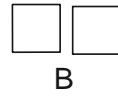
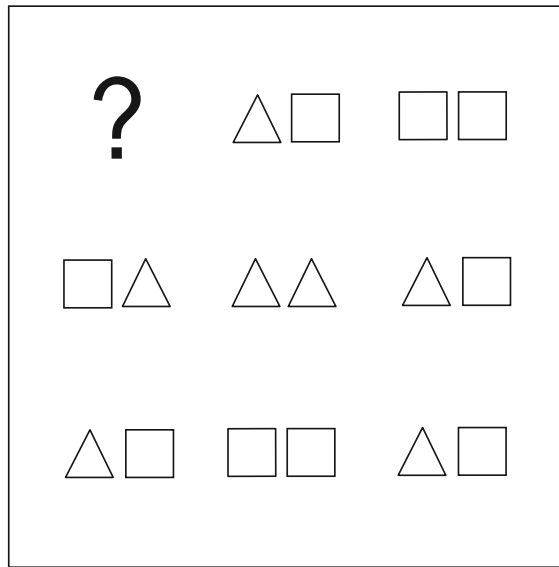
Answer

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



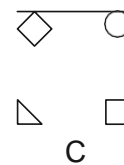
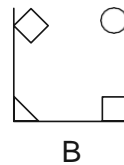
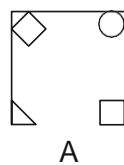
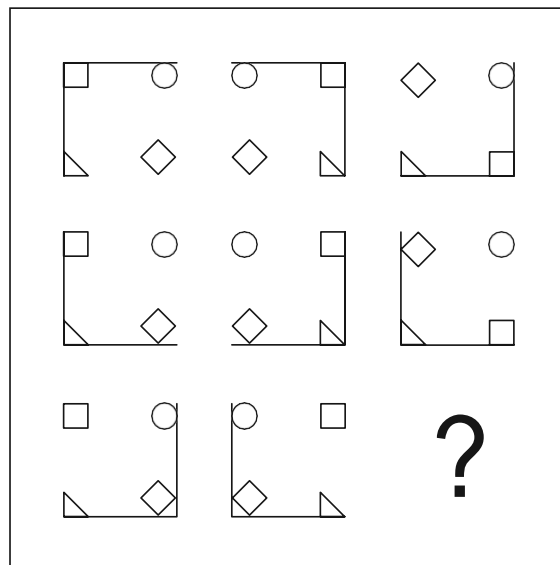
Answer

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



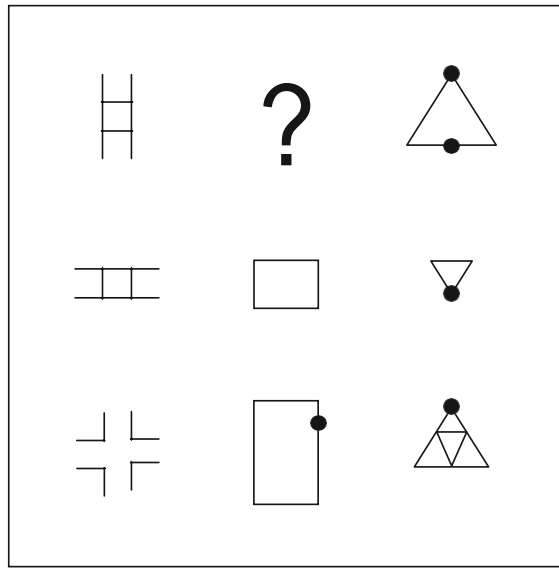
Answer

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



Answer

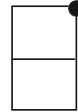
175. Identify the suggested answer that correctly completes the series.



A



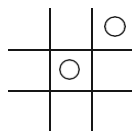
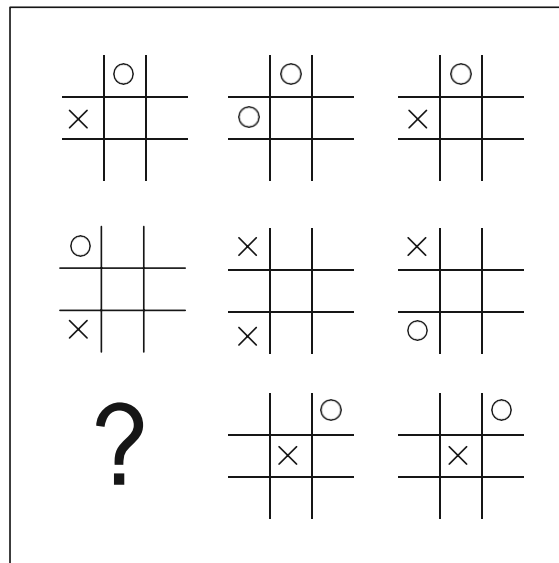
B



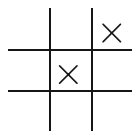
C

Answer

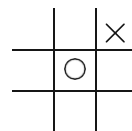
100. Identify the suggested answer that correctly completes the series.



A



B



C

Answer

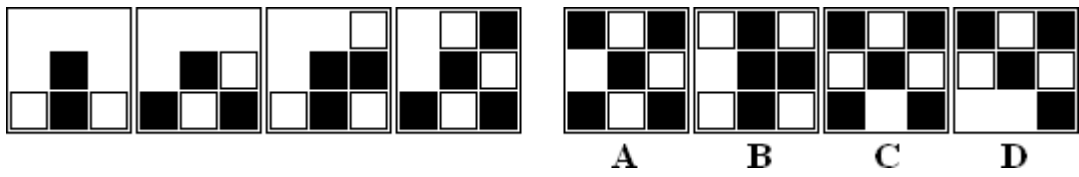
# Abstract Reasoning

Which figure completes the series?



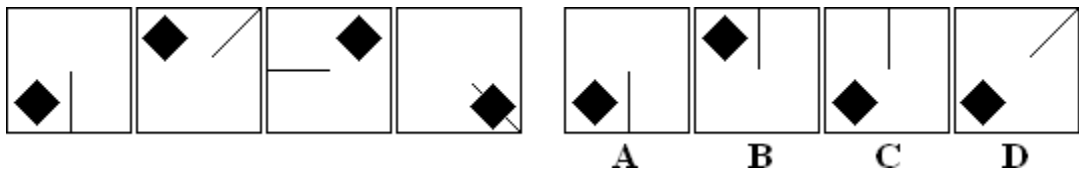
A B C D

Which figure completes the series?



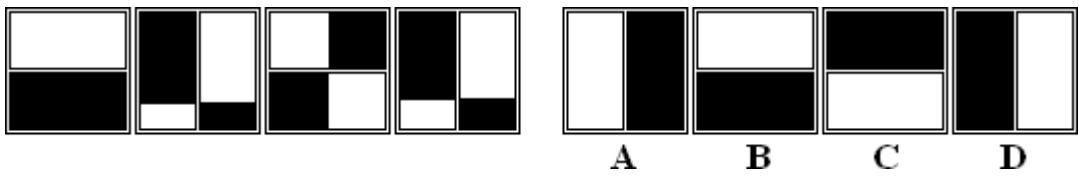
A B C D

Which figure completes the series?



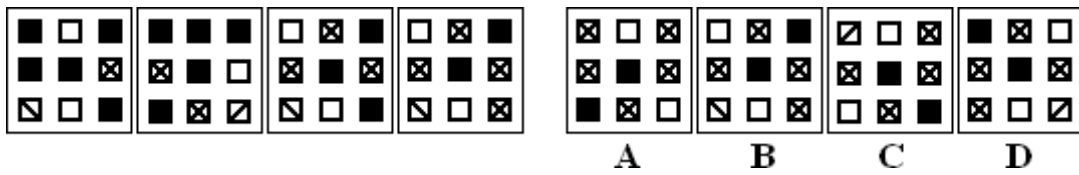
A B C D

Which figure completes the series?



A B C D

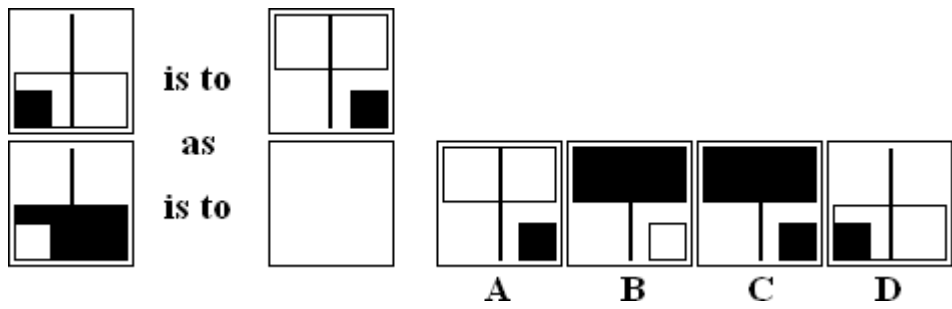
Which figure completes the series?



A B C D

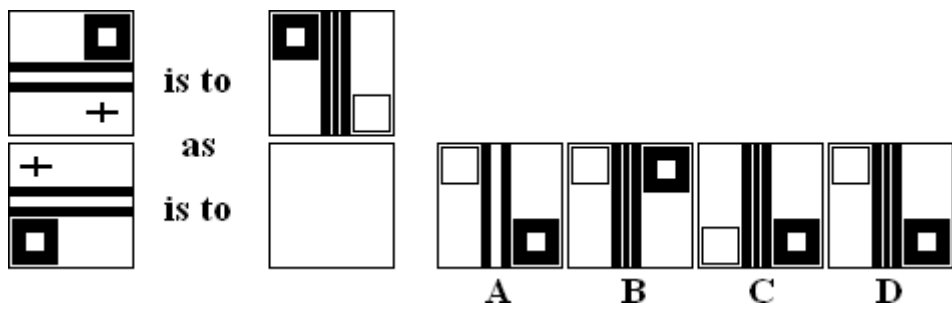
# Abstract Reasoning

Which figure completes the statement?



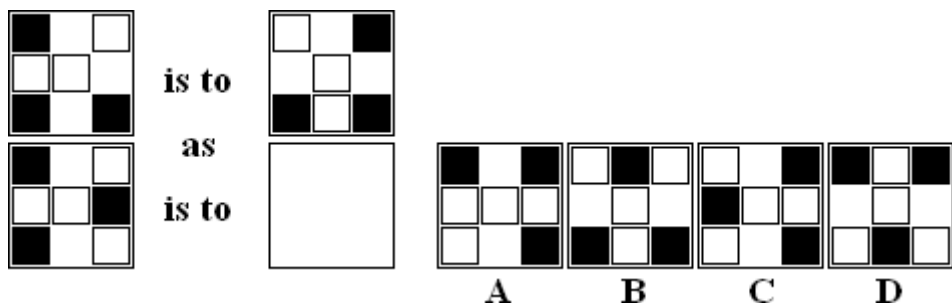
A B C D

7) Which figure completes the statement?



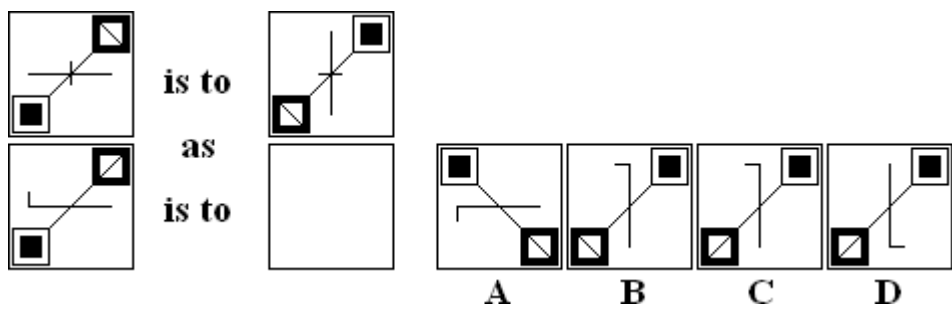
A B C D

8) Which figure completes the statement?



A B C D

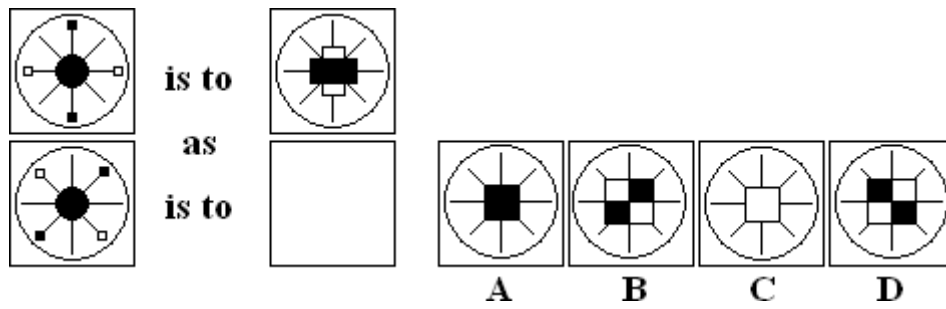
9) Which figure completes the statement?



A B C D

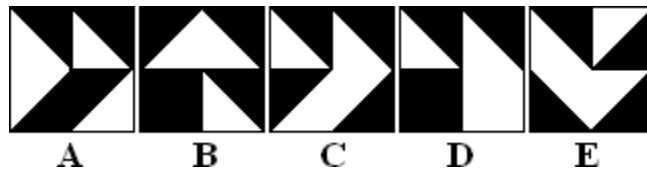
# Abstract Reasoning

10) Which figure completes the statement?



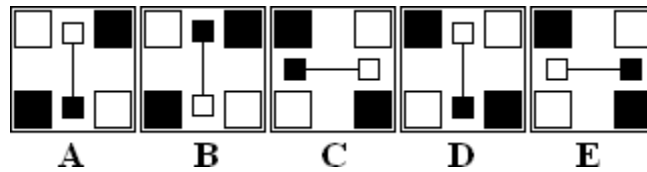
A B C D

11) Which figure is the odd one out?



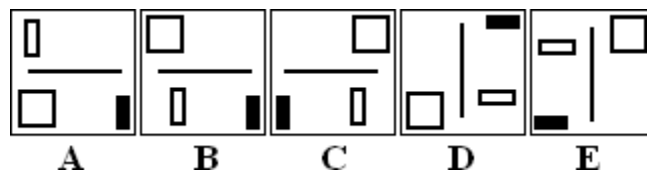
A B C D E

12) Which figure is the odd one out?



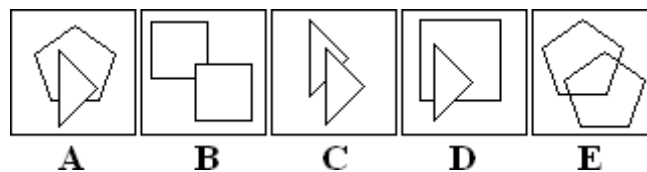
A B C D E

13) Which figure is the odd one out?



A B C D E

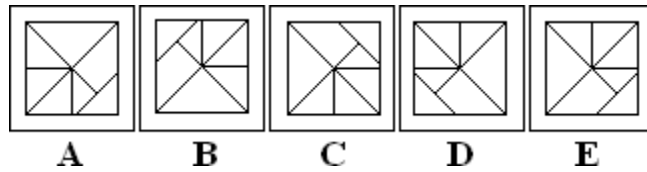
14) Which figure is the odd one out?



A B C D E

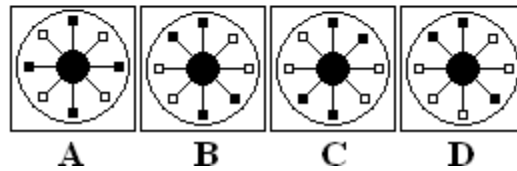
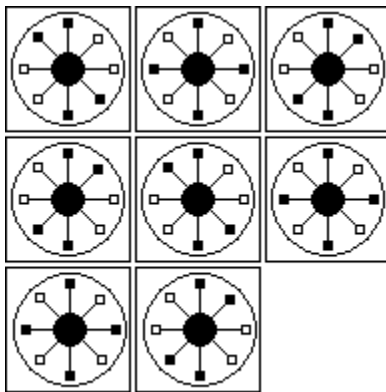
# Abstract Reasoning

15) Which figure is the odd one out?



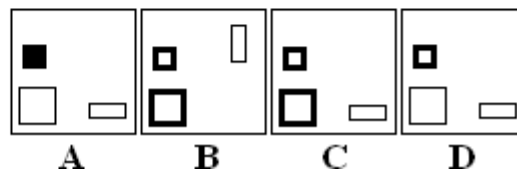
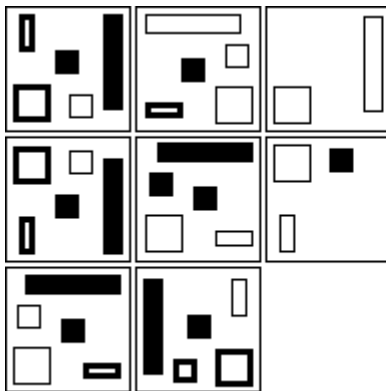
A B C D E

16) Which figure completes the series?



A B C D

17) Which figure completes the series?



A B C D

# Abstract Reasoning

18) Which figure belongs in neither group?

**Group 1**                      **Group 2**

**A      B      C      D**

**A B C D**

19) Which figure belongs in neither group?

**Group 1**                      **Group 2**

**A      B      C      D**

**A B C D**

20) Which figure is next in the series?

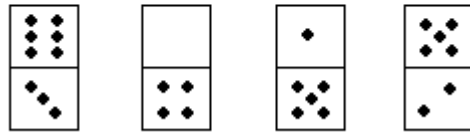
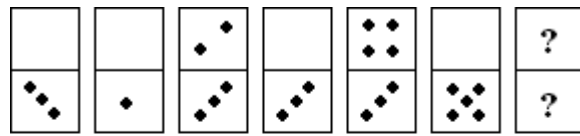
**A      B      C      D**

**A B C D**



# Abstract Reasoning

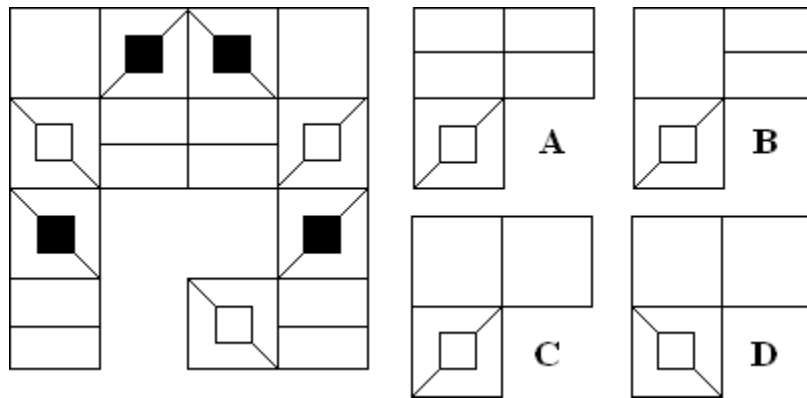
21) Which figure is next in the series?



A B C D

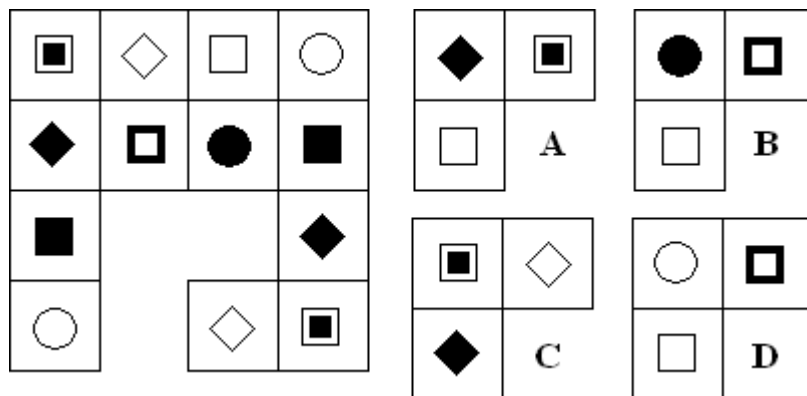
A B C D

22) Which figure completes the grid?



A B C D

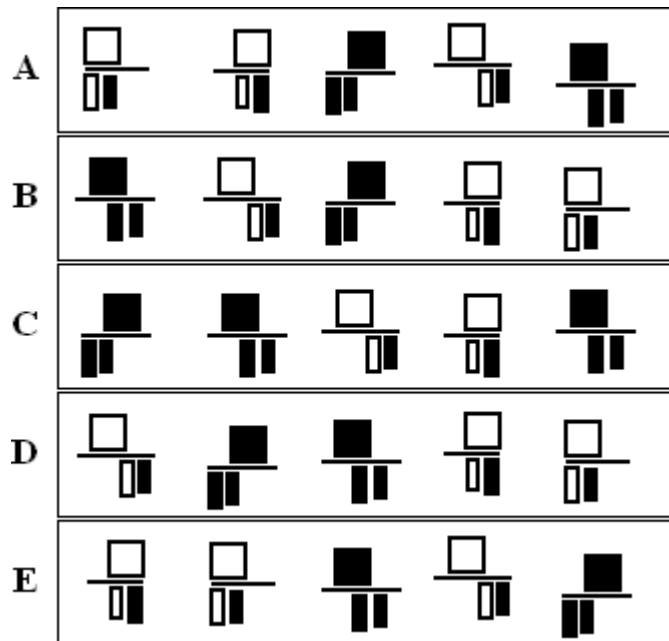
23) Which figure completes the grid?



A B C D

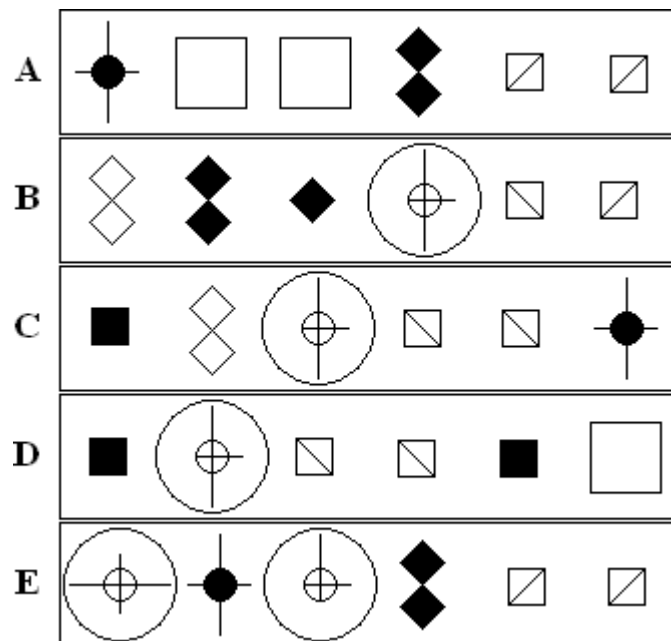
# Abstract Reasoning

24) Which figure is the odd one out?



A B C D E

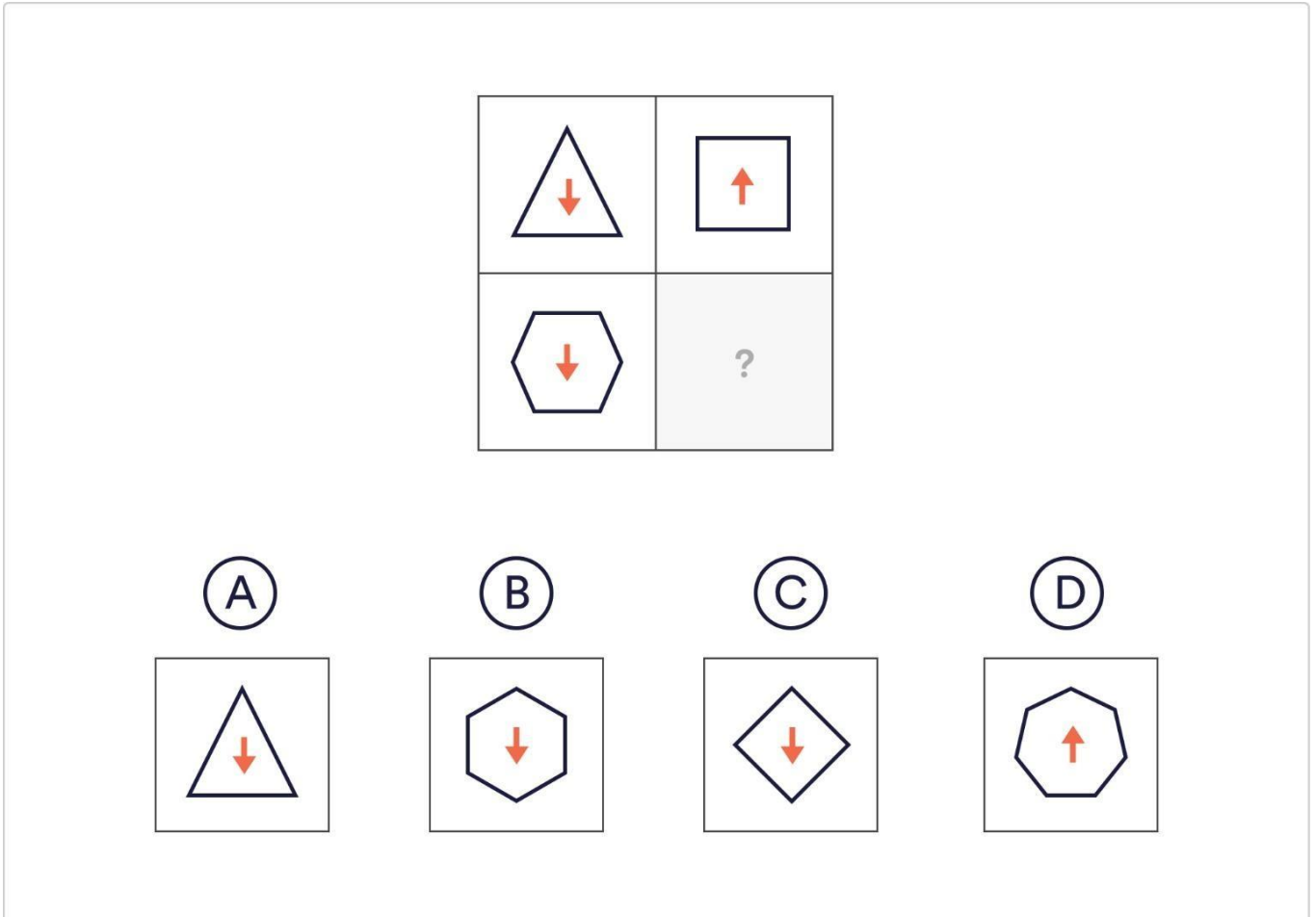
25) Which figure is the odd one out?



A B C D E

# Abstract Reasoning

Which of the following best matches the relationship between the shapes in the image?



A)

B)

C)

D)

## Solution

**Answer = D.** The arrow changes direction and the shape on the right has 1 more side than its counterpart on the left.

# Abstract Reasoning

Which domino comes next in the sequence?

The image shows a sequence of five dominoes and a question mark. Each domino is represented as a 2x2 grid of dots. The sequence is as follows:

- Domino 1: Top-left 6, Top-right 1, Bottom-left 1, Bottom-right 6
- Domino 2: Top-left 1, Top-right 1, Bottom-left 6, Bottom-right 6
- Domino 3: Top-left 5, Top-right 3, Bottom-left 3, Bottom-right 5
- Domino 4: Top-left 1, Top-right 1, Bottom-left 4, Bottom-right 4
- Domino 5: Top-left 4, Top-right 4, Bottom-left 4, Bottom-right 4

Below the sequence are four options, each in a circle and above a domino:

- (A) Top-left 3, Top-right 3, Bottom-left 3, Bottom-right 3
- (B) Top-left 6, Top-right 6, Bottom-left 6, Bottom-right 6
- (C) Top-left 5, Top-right 5, Bottom-left 5, Bottom-right 5
- (D) Top-left 3, Top-right 3, Bottom-left 3, Bottom-right 3

A)

B)

C)

D)

## Solution

**Answer = A.** This question is a bit trickier, as it is asking you to notice that there are two patterns appearing at the same time with alternating dominos. If you consider the 1st, 3rd and 5th dominos the pattern becomes more obvious; the top number is decreasing by 1 and the bottom is increasing by 1. Now look at the 2nd and 4th dominos, there is a similar progression happening with increasing and decreasing dots.

### Question 3

Which is the next logical image in the sequence?

The sequence consists of five square boxes, each containing a 3x3 grid of dots. The dots are either black or white. The sequence is as follows:

- Box 1: 5 black dots, 7 white dots.
- Box 2: 7 black dots, 5 white dots.
- Box 3: 5 black dots, 7 white dots.
- Box 4: 7 black dots, 5 white dots.
- Box 5: A grey square with a question mark.

Below the sequence are five options labeled A, B, C, D, and E, each with a 3x3 grid of dots:

- Option A: 5 black dots, 7 white dots.
- Option B: 7 black dots, 5 white dots.
- Option C: 5 black dots, 7 white dots.
- Option D: 7 black dots, 5 white dots.
- Option E: 7 white dots, 5 black dots.

A)

C)

E)

B)

D)

### Solution

**Answer = E.** The black and white dots are alternating between 5 and 7 in number. In the last picture there are 5 white dots and 7 black ones, meaning the following image should contain 7 white dots and 5 black ones.

### Question 3

Which is the next logical image in the sequence?

The sequence consists of five square tiles. Each tile contains two overlapping shapes. The first tile shows a square and a triangle overlapping at the bottom, with a smaller triangle formed in the intersection. The second tile shows a triangle and a circle overlapping on the right side, with a smaller circle formed in the intersection. The third tile shows a circle and a square overlapping at the bottom-right, with a smaller square formed in the intersection. The fourth tile shows a square and a circle overlapping on the left side, with a smaller circle formed in the intersection. The fifth tile is a grey square with a question mark. Below the sequence are five options labeled A through E, each in a square tile. Option A shows a square and a circle overlapping on the left, with a smaller circle in the intersection. Option B shows a square and a circle overlapping on the right, with a smaller circle in the intersection. Option C shows a triangle and a square overlapping at the bottom, with a smaller square in the intersection. Option D shows a triangle and a circle overlapping on the right, with a smaller circle in the intersection. Option E shows a square and a horizontal line overlapping, with a smaller horizontal line in the intersection.

A)

C)

E)

B)

D)

### Solution

**Answer = B.** Each tile contains 2 overlapping shapes, 1 larger than the other. As the 2 shapes overlap a new, smaller shape is created inside the first large shape. The large shape in the following tile corresponds directly with this new shape that was created. When the shapes overlap the largest bisection is always within the biggest shape.

Which is the odd string of letters out?

(A) S F G H J

(B) H J S F G

(C) F G H J S

(D) J S F G H

(E) G S F H J

A)

B)

C)

D)

E)

## Solution

**Answer = E.** Each string of letters contains S, F, G, H and J appearing in a loop. It is easier to imagine if you can see multiple loops appearing consecutively: S-F-G-H-J-S-F-G-H-J-S-F-G-H-J A, B, C and D strings all include letters in the right order to fit in the same loop. For example, F always follows S and precedes G however in the last string (E) The letters are out of order.