

Question 1

Which of the options should replace the question mark (?) to complete the sequence?

- A
- B
- C
- D
- E

Explanation:

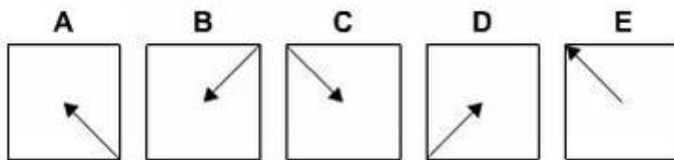
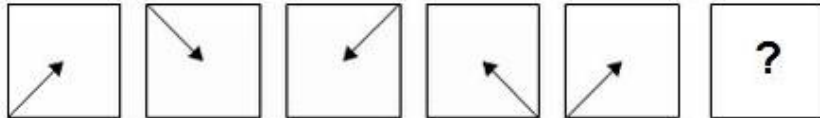
The figure is divided into four sectors. The following patterns are apparent:
 The clear circle and the plus (+) sign move from sector to sector anticlockwise.
 The triangle disappears and reappears at the opposite sector after two iterations.
 The black circle disappears and reappears at the opposite sector after two iterations.
 Following these rules, the next figure should be option C.



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Question 2

Which of the options should replace the question mark (?) to complete the sequence?

- A
- B
- C
- D
- E

Explanation:

The arrow moves from corner to corner clockwise

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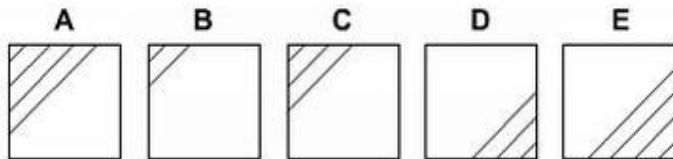
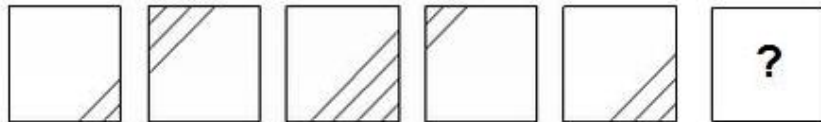
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Question 3

Which of the options should replace the question mark (?) to complete the sequence?

- A
- B
- C
- D
- E

Explanation:

The number of lines increase from two to four and the sequence repeats. Also, the position of the lines alternate between bottom-right and top left. Following these rules, the next figure should have four lines located top-left.

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+	○		⊕		+				○		?
				○		○	+		+		

A	B	C	D	E	
⊕			○	+	○
		+		○	

Question 4

Which of the options should replace the question mark (?) to complete the sequence?

- A
- B
- C
- D
- E

Explanation:

Two rules apply in succession. The plus (+) sign rotates through 90 degrees clockwise. Thereafter, the circle rotates through 180 degrees clockwise.

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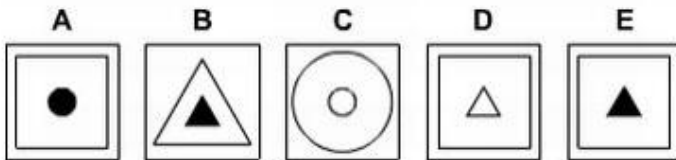
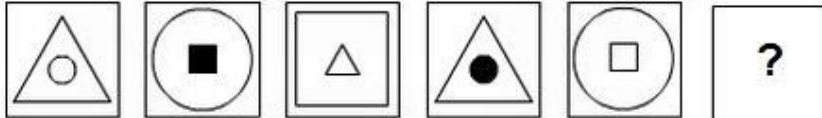
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Question 5

Which of the options should replace the question mark (?) to complete the sequence?

- A
- B
- C
- D
- E

Explanation:

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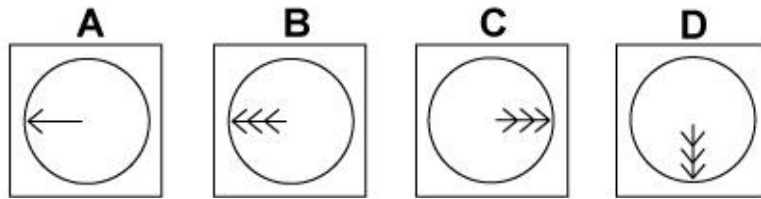
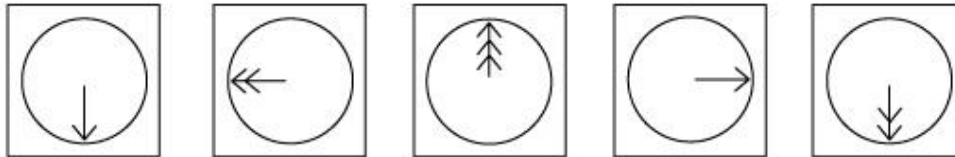
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Question 6

Which of the options is the next shape in the sequence?

- A
- B
- C
- D

Explanation:

In this question, there are two rules to follow.

The first rule is that the arrow rotates by 90° clockwise each time. Following this rule, the next diagram of the sequence should have the arrow pointing towards 9 o'clock. Therefore, the correct answer could be A or B. The other rule is that the number of arrowheads changes from 1 to 2 to 3, then back to 1 again etc. Following this rule, the number of arrowheads in the next diagram should be three. Therefore, the correct answer is B.

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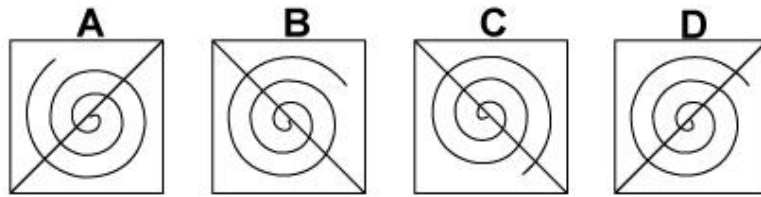
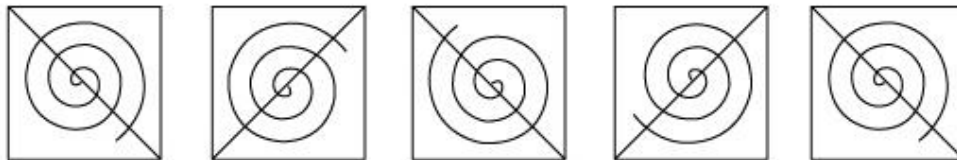
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**Question 7**

Which of the options is the next shape in the sequence?

- A
- B
- C
- D

Explanation:

In this question, there are two rules to follow.

The first rule is that the spiral rotates by 90° anticlockwise each time. Following this rule, the next diagram of the sequence should have the tail of the spiral at about 2 o'clock. Therefore, the correct answer could be B or D.

The other rule is that the diagonal alternates from top left - bottom right to top right-bottom left. Following this rule, the diagonal in the next diagram should be top right-bottom left. Therefore, the correct answer is D.

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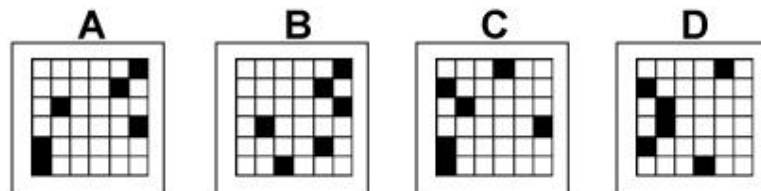
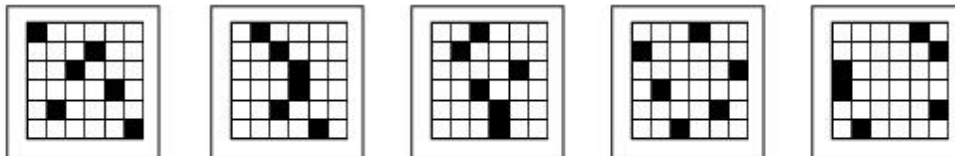
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**Question 8**

Which of the options is the next shape in the sequence?

- A
- B
- C
- D

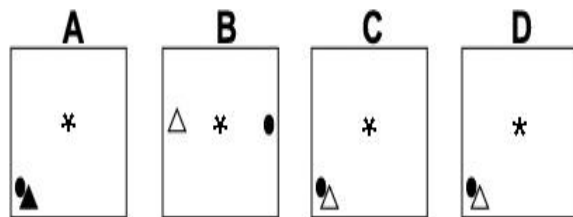
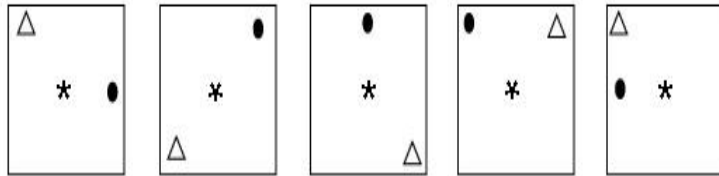
Explanation:

In this question, there is one black square in each row of the grid. The black squares in the first, third and fifth rows move one place to the right each time; and when they reach the right edge of the grid, they move to the first column of the left edge. The black squares in the second, fourth and sixth rows move one place to the left each time; and when they reach the left edge of the grid, they move to the first column of the right edge. Therefore, the correct answer is A.

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Question 9

Which of the options is the next shape in the sequence?

- A
- B
- C
- D

Explanation:

In this question, there are three rules to follow.

The first rule is that the asterisk flips vertically each time. Following this rule, in the next diagram of the sequence, the asterisk will be upside down. Therefore, the correct answer could be A, B or C.

The second rule concerns the white triangle which rotates each time through 90° anticlockwise around the outside of the square. Following this rule, in the next diagram of the sequence, the white triangle should be in the bottom left corner of the square. Therefore, the correct answer could be C or D

The third rule concerns the black dot which rotates each time through 45° anticlockwise around the outside of the square. Following this rule, in the next diagram of the sequence, the black dot should be in the bottom left corner of the square. Therefore, the correct answer could be A, C or D

Taking all the rules into consideration, the only possible answer is C.

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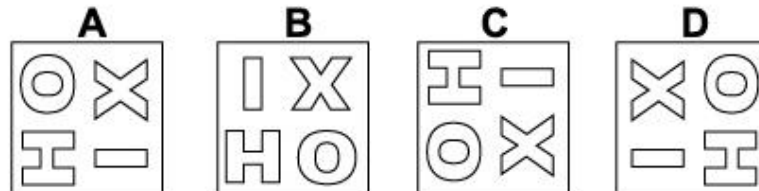
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Question 10

Which of the options is the next shape in the sequence?

- A
- B
- C
- D

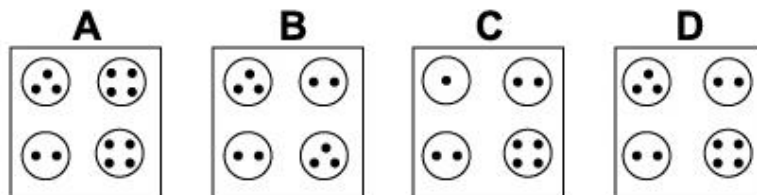
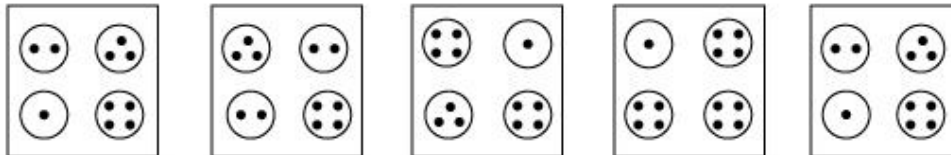
Explanation:

In this question, there is a sequence of transformations: 'reflection in the vertical axis', 'rotation of 90° clockwise', 'reflection in the horizontal axis', 'rotation of 90° clockwise', 'reflection in the vertical axis' etc. Following this sequence, the next transformation should be 'reflection in the vertical axis', which means the next diagram in the sequence will be B.

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**Question 11**

Which of the options is the next shape in the sequence?

- A
- B
- C
- D

Explanation:

In this question, the number of dots in each of the four circles follows a rule:

For the circle in the top left corner, the number of dots increases by 1 each time, with 4 becoming 1.

For the circle in the top right corner, the number of dots decreases by 1 each time, with 1 becoming 4.

For the circle in the bottom left corner, the number of dots increases by 1 each time, with 4 becoming 1.

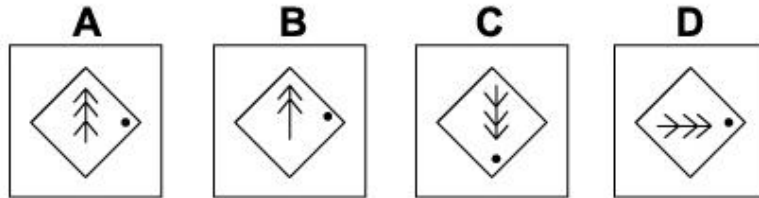
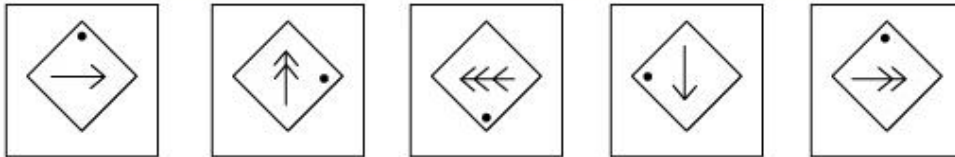
For the circle in the bottom right, the number of dots is always 4.

Following these rules, for the next diagram in the sequence there should be 3 dots in the top left circle, 2 dots in the top right circle, 2 dots in the bottom left circle and 4 dots in the bottom right circle. Therefore, the correct answer is D.

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Question 12

Which of the options is the next shape in the sequence?

- A
- B
- C
- D
- E

Explanation:

In this question, there are three rules to follow.

The first rule is that the dot moves through 90° clockwise each time. Following this rule, in the next diagram of the sequence, the dot should be at 3 o'clock. Therefore, the correct answer could be A, B or D.

The second rule is that the line with arrows rotates through 90° anticlockwise each time.

Following this rule, in the next diagram of the sequence, the arrowheads should point to 12 o'clock. Therefore, the correct answer could be A or B.

The third rule is that the number of arrowheads increases by 1 each time, with three arrowheads becoming 1.

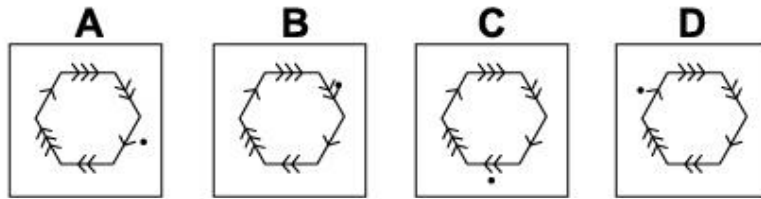
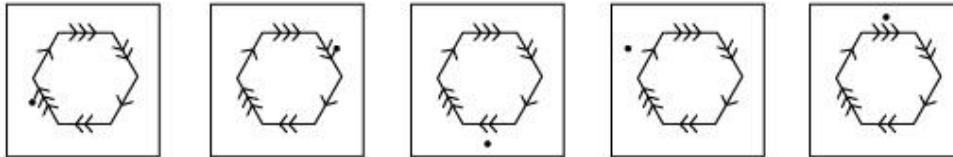
Following this rule, in the next diagram of the sequence, there should be three arrowheads. Therefore, the correct answer is A.



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Question 13

Which of the options is the next shape in the sequence?

- A
- B
- C
- D

Explanation:

In this question, there is a hexagon with arrowheads on each of its sides. There is also a dot.

The dot rotates clockwise around the perimeter of the hexagon according to the number of arrowheads it is adjacent to.

Following this rule, to find the next diagram of the sequence, the dot will have to rotate three places around the perimeter of the hexagon. Therefore, the correct answer is C.

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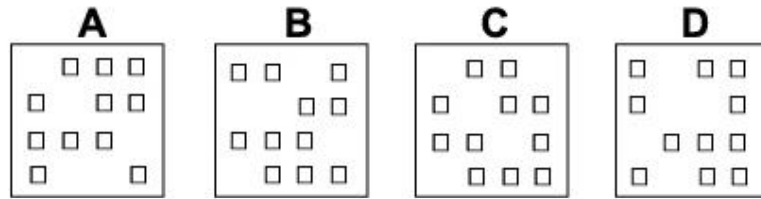
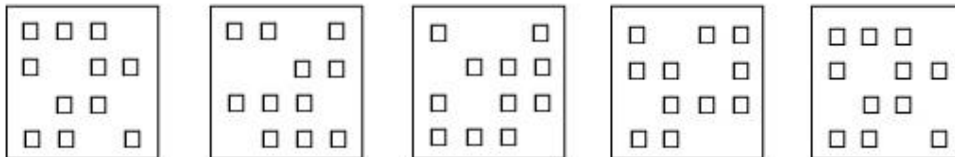
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Question 14

Which of the options is the next shape in the sequence?

- A
- B
- C
- D

Explanation:

In this question, there is a grid of squares. There are two rules that must be followed, one after the other.

The first rule is: the columns of the grid are moved one place to the right with the fourth column moving to the first column.

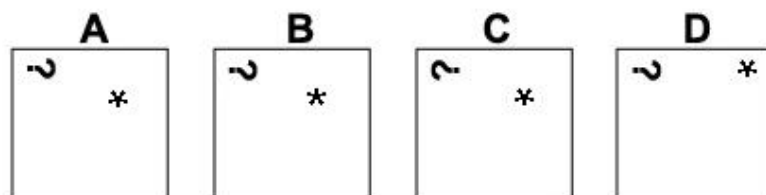
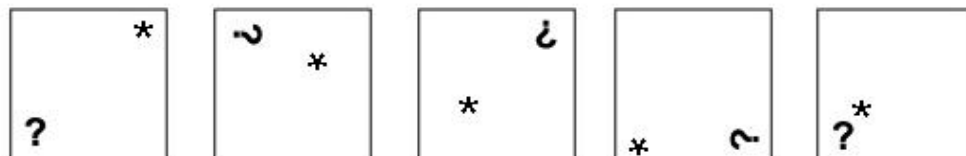
The second rule is: the rows of the grid are moved one place up with the top row moving to the bottom row.

Following these rules, to get the next diagram in the sequence will be B.

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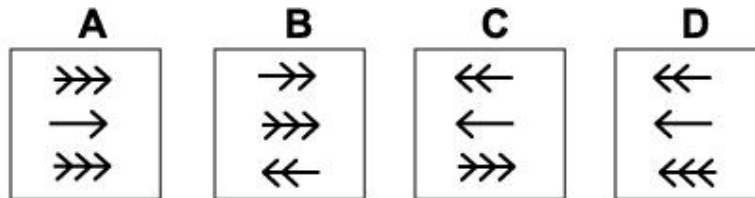
**Question 15**

Which of the options is the next shape in the sequence?

- A
- B
- C
- D

Explanation:

In this question there are two rules. The first rule concerns the question mark which rotates by 90° clockwise around the perimeter of the square each time, while also rotating itself by 90° clockwise. Following this rule, the next diagram of the sequence could be A, B or D. The second rule concerns the asterisk which moves along a diagonal of the square to four equally spaced positions on the diagonal and at the same time flips vertically each time. Following this rule, in the next diagram of the sequence, the asterisk should be upside down and one place from the top right corner of the diagonal. The correct answer, therefore, is A.



Question 16

Which of the options is the next shape in the sequence?

- A
- B
- C
- D

Explanation:

In this question there are two rules to follow. The first rule is that an arrow with three arrowheads is changed to an arrow with two arrowheads, an arrow with two arrowheads is changed to an arrow with one arrowhead and an arrow with one arrowhead is changed to an arrow with three arrowheads. Following this rule, the next diagram in the sequence could be C or D. The second rule is that the arrow in the bottom position changes direction. Following this rule, the arrow with one arrowhead pointing towards the right at the bottom of the fifth diagram becomes an arrow with three arrowheads pointing towards the left in the next diagram. The correct answer, therefore, is D.

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