

# Logical Reasoning

## Test 5



### Solutions Booklet

#### Instructions

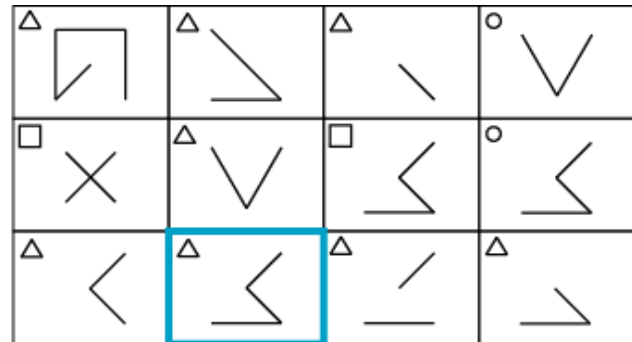
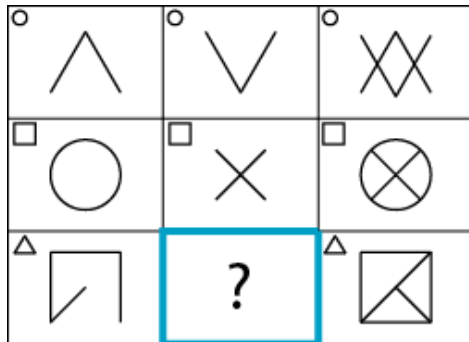
This test contains **12 questions**. There is an overall time limit of **15 minutes** for the test or **70 seconds** per question.

In each question you will be presented with grid of symbols. You will need to determine which of the possible answers best matches the missing symbol in the grid denoted by a question mark.

Each question will have 1 correct answer from a choice of 5 possible answers, and you must select the most correct option.

Try to find a time and place where you will not be interrupted during the test. The test will begin on the next page.

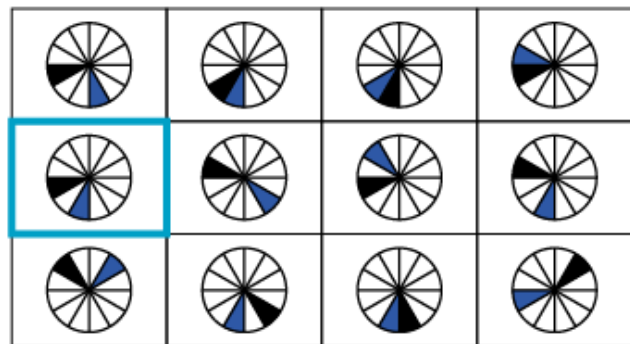
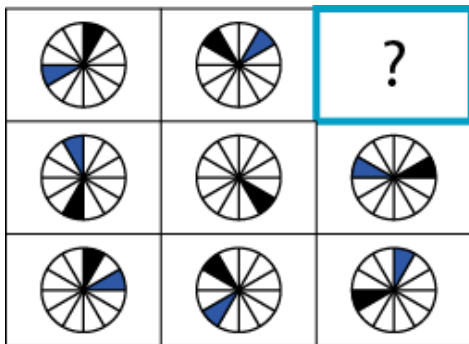
**Q1** What replaces the question mark?



**Rule 1:** Each row has the same shape at the top left hand corner.

**Rule 2:** The third box in each row is created by superimposing the first and second box of that row.

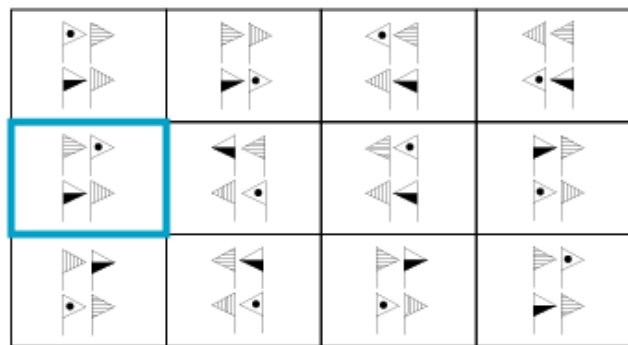
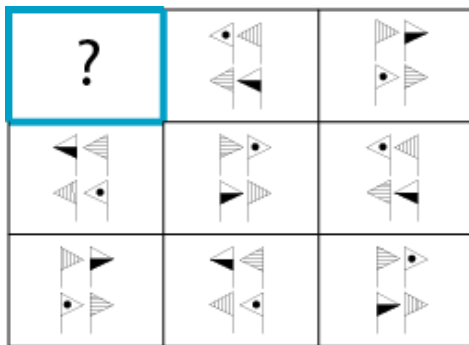
**Q2** What replaces the question mark?



**Rule 1:** From left to right, the black segment moves two places counterclockwise. This pattern continues onto the next row.

**Rule 2:** From left to right, the blue segment moves five places clockwise. This pattern continues onto the next row. When the blue and black segment are in the same segment, the segment is black.

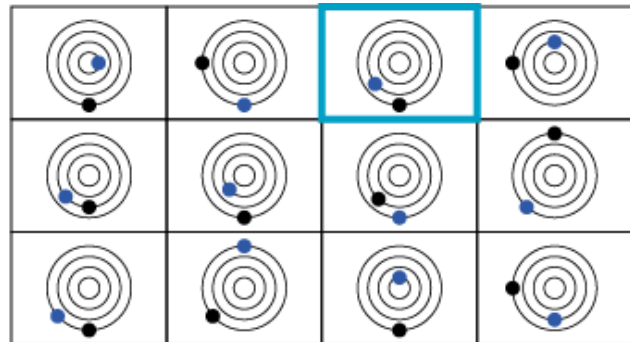
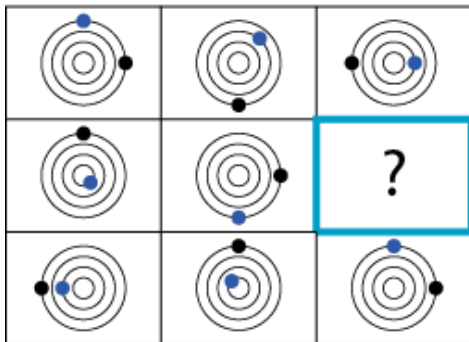
**Q3** What replaces the question mark?



**Rule 1:** From left to right, the flags' direction alternates. This pattern continues onto the next row.

**Rule 2:** From left to right, each flag moves one place counterclockwise. This pattern continues onto the next row.

**Q4** What replaces the question mark?



**Rule 1:** From left to right, the black circle moves  $90^\circ$  clockwise around the outer ring. This pattern continues onto the next row.

**Rule 2:** From left to right, the blue circle moves  $45^\circ$  and moves down onto the next ring. This pattern continues onto the next row.

**Q5** What replaces the question mark?

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↗↖↘	↖↘↘	↘↘↖
↘↗↗	↘↖↘	↗↘↘

↗↗↘	↘↗↘	↘↘↗	↘↘↘
↘↘↘	↗↘↘	↘↖↗	↘↗↖
↖↘↗	↘↖↖	↖↗↖	↘↘↖

**Rule 1:** From top to bottom, the left arrow reflects its position back and forth.

**Rule 2:** From top to bottom, the middle arrow rotates clockwise 90°.

**Rule 3:** From top to bottom, the right arrow rotates anti-clockwise 90°.

**Q6** What replaces the question mark?









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










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**Rule 1:** The number of lines on the left hand symbol of each box corresponds to the column number.

**Rule 2:** The number of lines on the right hand symbol of each box corresponds to the row number.

**Q7** What replaces the question mark?

		
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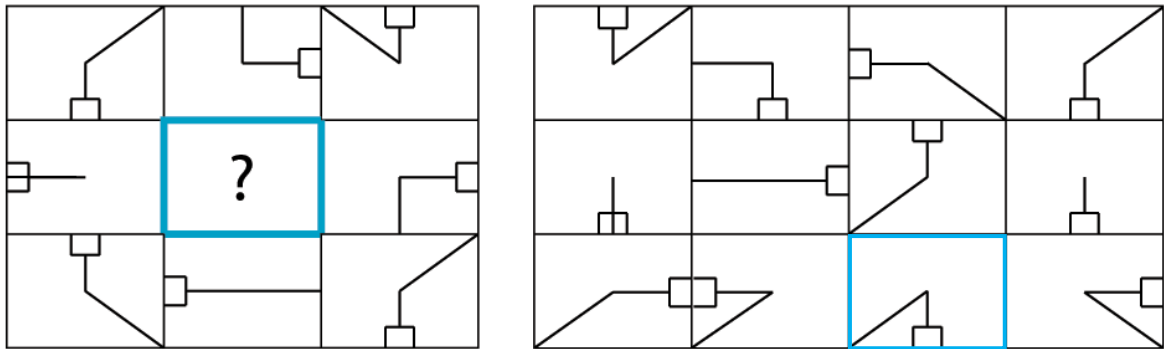
			
			
			

**Rule 1:** From left to right, the symbol is rotated 45° counterclockwise. This pattern continues onto the next row.

**Rule 2:** From left to right, the bars are flipped lengthwise. This pattern continues onto the next row.



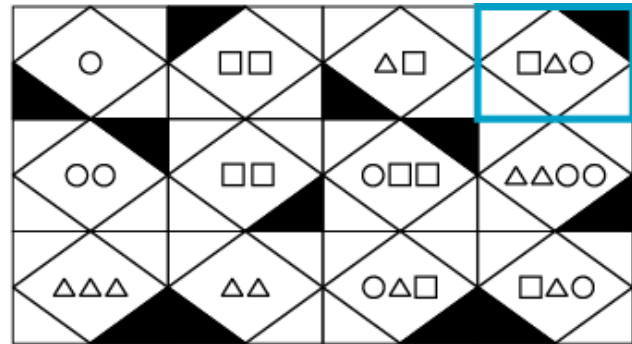
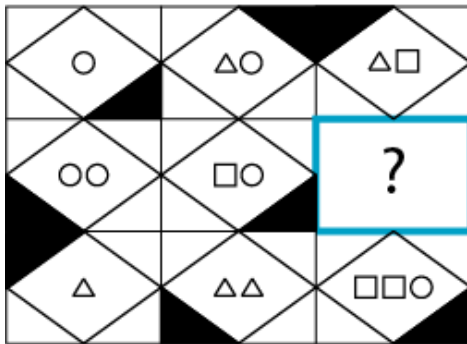
**Q8** What replaces the question mark?



**Rule 1:** From left to right, the line rotates one place counterclockwise around the box like a clock-hand in reverse. This pattern continues onto the next row.

**Rule 2:** From left to right, the box rotates one place counterclockwise. This pattern continues onto next row.

**Q9** What replaces the question mark?



**Rule 1:** From left to right, the shaded triangle moves one place counterclockwise. This pattern continues onto the next row.

**Rule 2:** From top to bottom, the total number of edges of the shapes increases by one each time. This pattern continues onto the next column.

**Q10** What replaces the question mark?

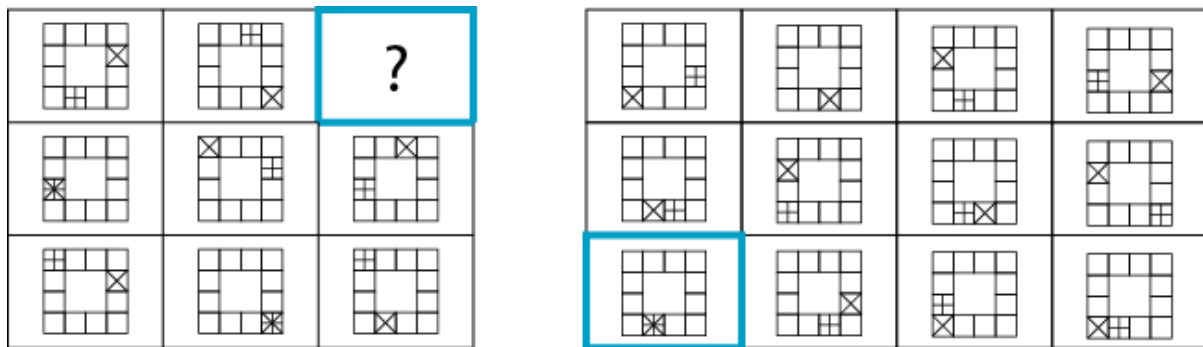
⌚	?	⌚
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⌚	⌚	⌚	⌚
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**Rule 1:** The middle row forms a composite of the top and bottom symbols, using their middle line as a merge reference point.

**Rule 2:** With reference to rule 1, the middle composite symbol is of the top and bottom set not of its column.

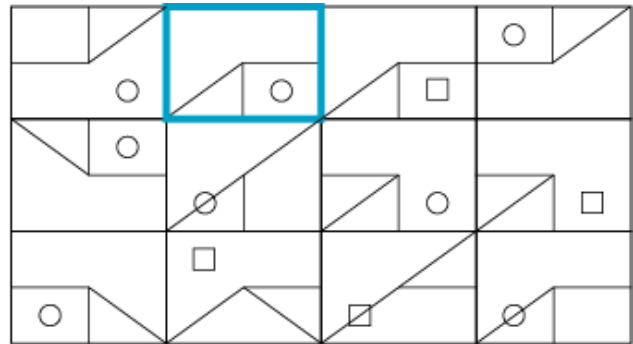
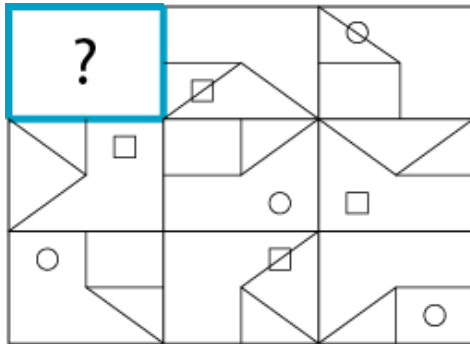
**Q11** What replaces the question mark?



**Rule 1:** From left to right, the diagonal cross moves two places clockwise. The pattern continues onto the next row.

**Rule 2:** From top to bottom, the vertical cross moves two places clockwise. This pattern continues onto the next column.

**Q12** What replaces the question mark?



**Rule 1:** From left to right, each lines rotate 45° clockwise from the centre to meet the edge of the box. This pattern continues onto the next row.

**Rule 2:** From left to right, the shape alternates between square and circle, and moves one place clockwise. This pattern continues onto the next row.

**End of test**