

Logical Reasoning

Test 11



Solutions Booklet

Instructions

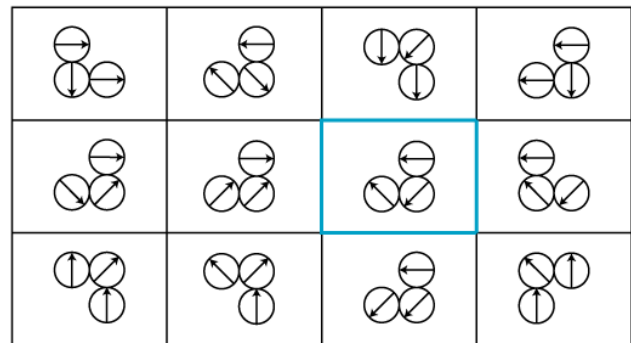
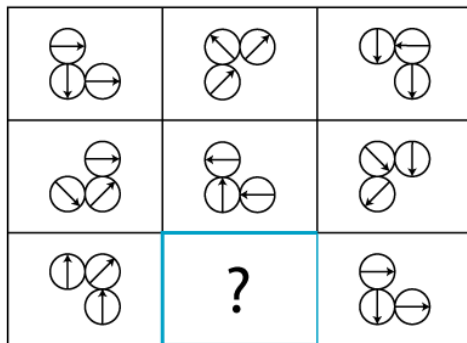
This test contains **12 questions**. There is an overall time limit of **15 minutes** for the test or **70 seconds** per question.

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.

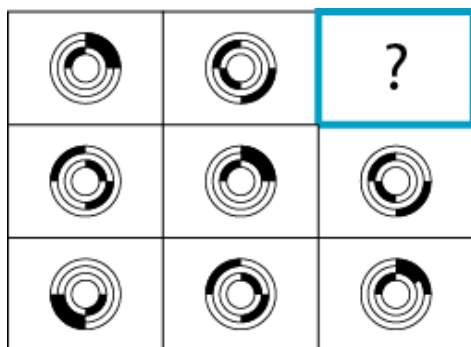
Q1 What replaces the question mark?



Rule 1: From left to right, each circle (and arrow inside) rotates by 135° counterclockwise. This pattern continues on to the next row.

Rule 2: From left to right, the missing circle moves one place clockwise. This pattern continues onto the next row.

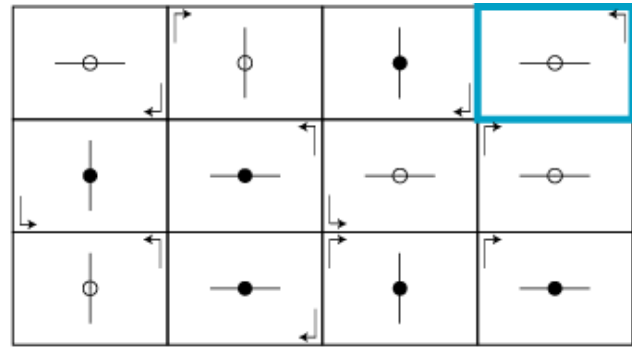
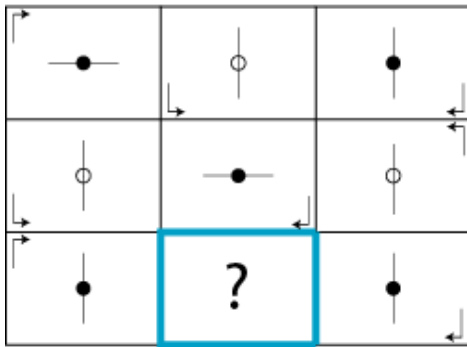
Q2 What replaces the question mark?



Rule 1: From top to bottom, the outside shaded area rotates 1 place counterclockwise. This pattern continues onto the next column.

Rule 2: From top to bottom, the inside and middle shaded bands rotate 1 place clockwise. This pattern continues onto the next column.

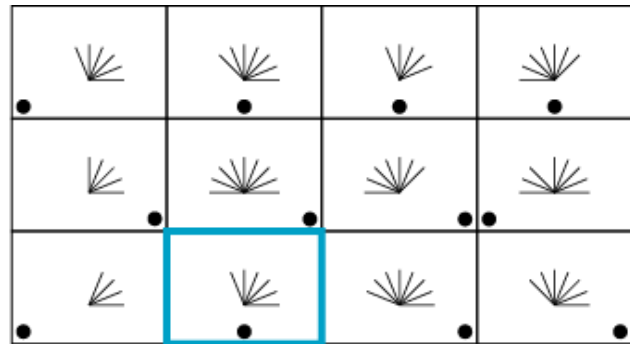
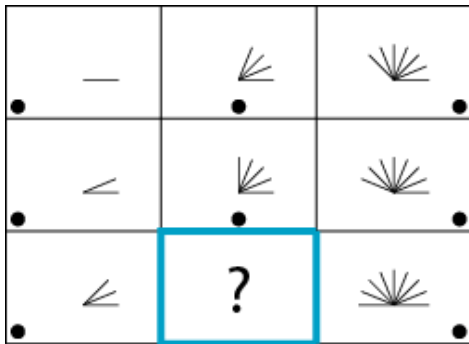
Q3 What replaces the question mark?



Rule 1: From left to right, the circle in the middle of the box alternates between black and white. This pattern continues onto the next row.

Rule 2: From left to right, the arrow reflects around the middle line. This pattern continues onto the next row.





Q4 What replaces the question mark?




Rule 1: From top to bottom, one line is added to each new box. The pattern continues onto the next column.

Rule 2: From left to right, the black circle moves from left, to middle, to right. This pattern starts new on the next row.

Q5 What replaces the question mark?

M		Σ
		?
Σ		M

Σ			
	M		
Σ			

Rule 1: From left to right, the highlighted edge of the shape moves one place to the right, relative to the first shape in the series. This pattern continues onto the next row.

Rule 2: From left to right, the shape rotates 45° counterclockwise. This pattern continues onto the next row.

Q6 What replaces the question mark?

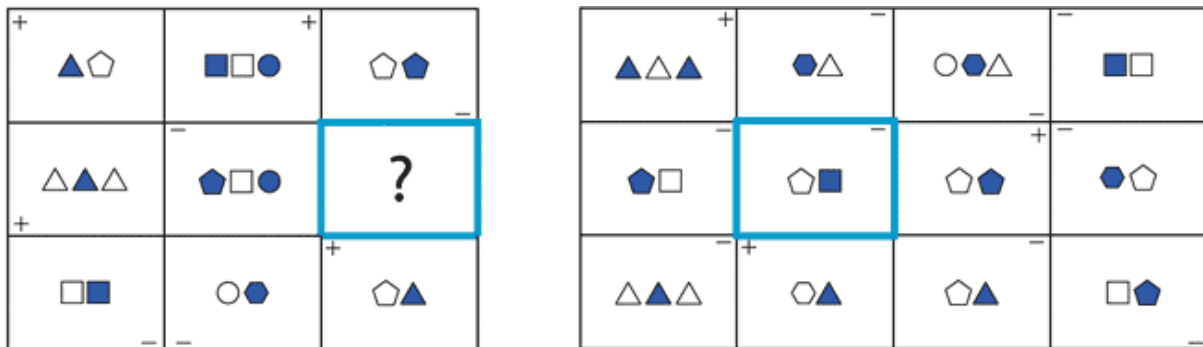
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Rule 1: From top to bottom, the '&' symbol shuffles to the left.

Rule 2: From top to bottom, the symbol originally to the left of '&' shuffles to its right.

Q7 What replaces the question mark?



Rule 1: From left to right, the “+” or “-” symbol moves clockwise to the next corner. This pattern continues onto the next row.

Rule 2: The total number of edges of the shapes in each box increases (with a +) or decreases by 1 (with a -), depending on the previous box’s symbol. This pattern continues onto the next row.

Rule 3: From left to right, every second shape is shaded.

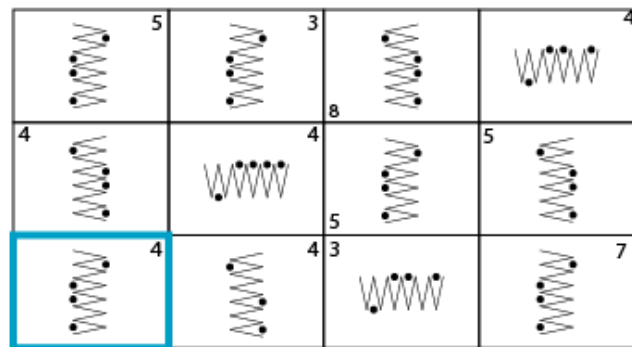
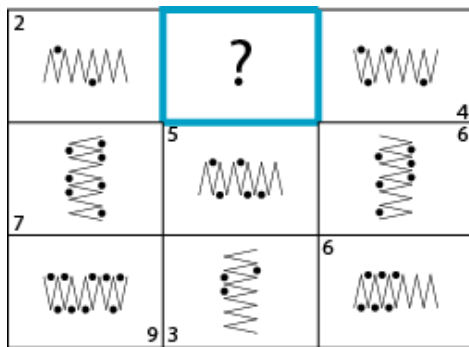
Q8 What replaces the question mark?

Rule 1: From left to right, the last shape in each box becomes the first shape of the next box. This pattern continues onto the next row.

Rule 2: From left to right, the remaining shapes (excluding the first shape) move one place to the right. This pattern continues onto the next row.

Rule 3: Exactly half of the total shapes in each row and column are shaded.

Q9 What replaces the question mark?

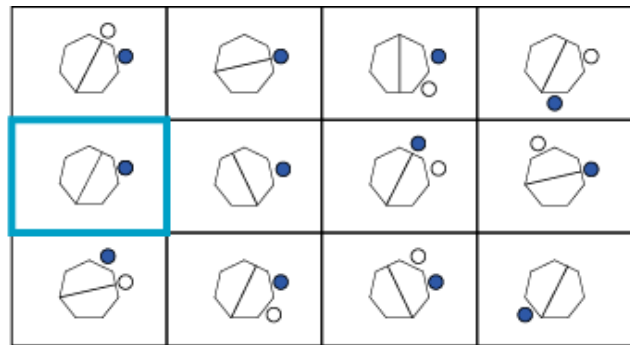
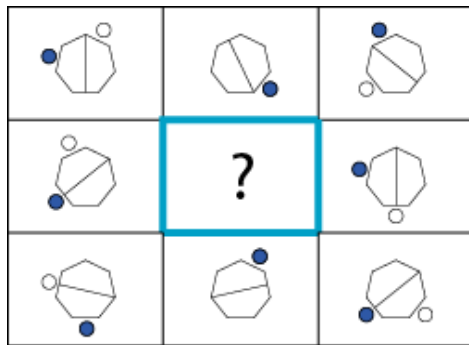


Rule 1: From top to bottom, the zig-zag symbol rotates 90° counter clockwise. This pattern continues onto the next column.

Rule 2: From left to right the number has no pattern but its position moves one place clockwise around the box. This pattern continues onto the next row.

Rule 3: The number of dots in each box corresponds to the number in that box.

Q10 What replaces the question mark?

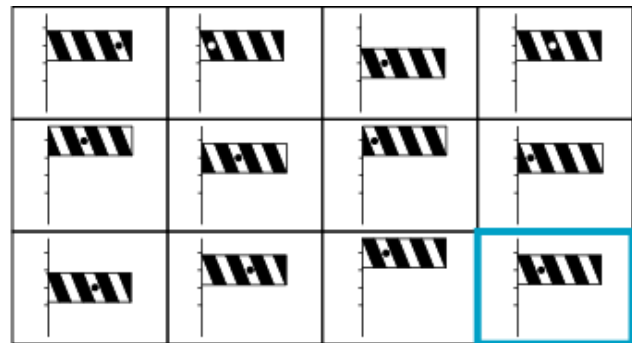
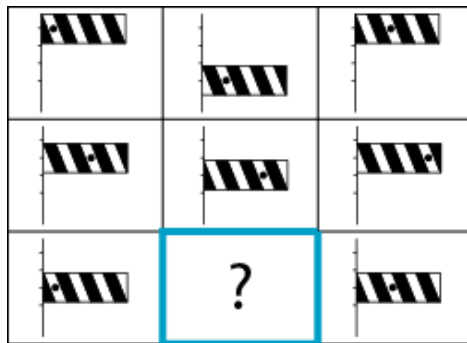


Rule 1: From left to right, the white circle moves two places(edges) clockwise. This pattern continues onto the next row.

Rule 2: From top to bottom, the blue circle moves one place(edge) counterclockwise. This pattern continues onto the next column. When the white and blue circles coincide, the blue is shown.

Rule 3: From top to bottom, the line in the shape rotates clockwise one place. This pattern continues onto the next column.

Q11 What replaces the question mark?



Rule 1: From top to bottom, the flag lowers 1 notch at a time. When it reaches the bottom, it begins to rise again. This pattern continues onto the next column.

Rule 2: From left to right, the segments of the flag alternate between black and white. This pattern continues onto the next row.

Rule 3: From left to right, the circle moves one segment to the right. When it reaches the final segment, it begins again. This pattern continues onto the next row.

Q12 What replaces the question mark?

⌈ ● ≠	⌈ ○ ≠	⌈ ■ ≠
?	⌊ ○ ≠	⌊ ■ ≠
⌋ ● ≠	⌋ ○ ≠	⌋ ■ ≠

⌈ ■ ≠	⌊ ● ≠	⌈ ● ≠	⌊ ○ ≠
⌊ ○ ≠	⌋ ■ ≠	⌊ ● ≠	⌊ ■ ≠
⌊ ● ≠	⌈ ○ ≠	⌋ ● ≠	⌋ ○ ≠

Rule 1: The left-hand symbol has a consistent variation in all columns: top heavy, bottom heavy, double ended.

Rule 2: The middle symbol is different in each column, but then consistent for each of its rows. From left to right: black circle, white circle and black square.

Rule 3: The right-hand symbol is different in each column, but then consistent for each of its rows. From left to right: double-sided, right-sided and then left-sided.

End of test