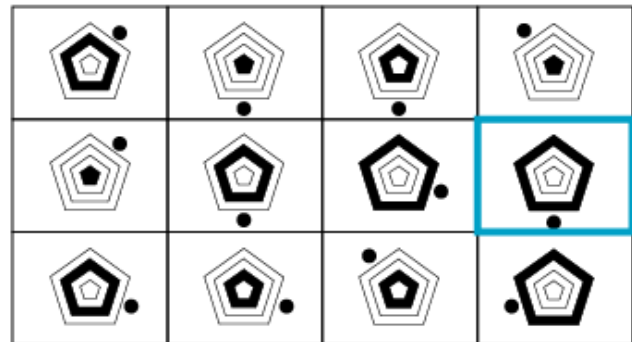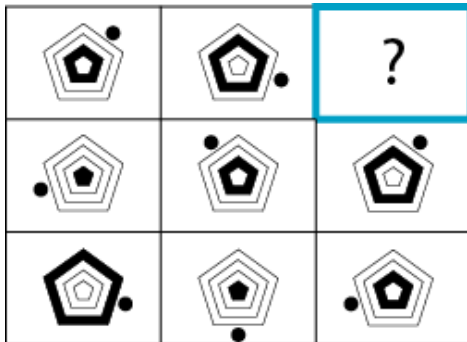# Logical Reasoning

Test 6

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.
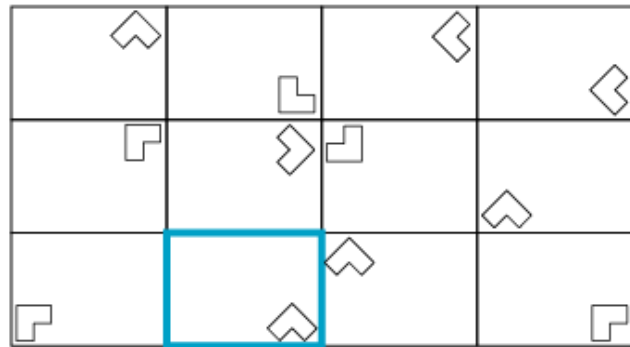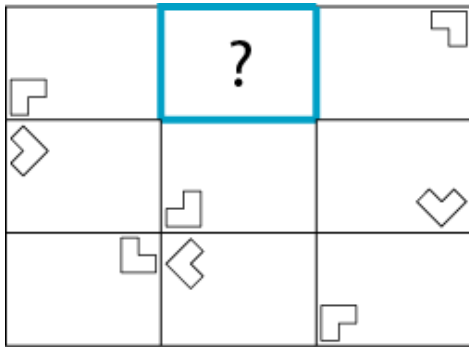
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Rule 1: From left to right, the black circle moves clockwise to the next edge. This pattern continues onto the next row.

Rule 2: From left to right, the shaded pentagon moves one place. This pattern continues onto the next row.

Q2   What replaces the question mark?

Rule 1: From top to bottom, the shape moves clockwise to the next corner. This pattern continues onto the next column.
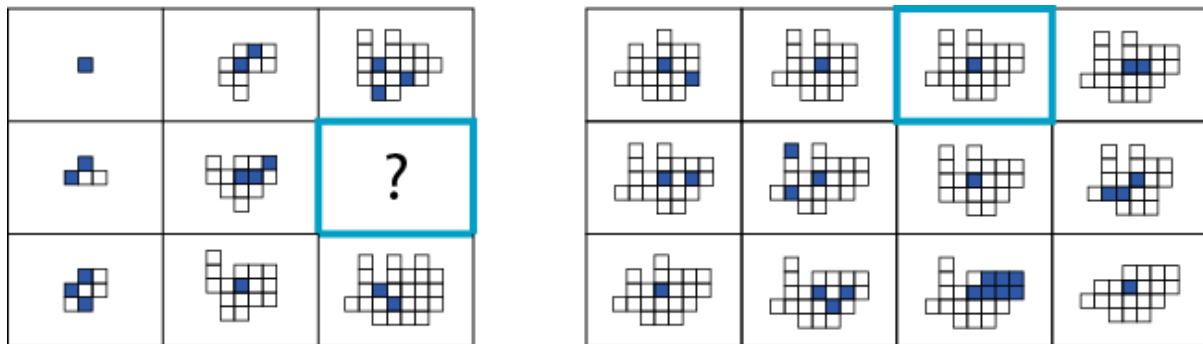
Rule 2: From left to right, the shape rotates 45˚ clockwise. This pattern continues onto the next row.

Rule 1:   From top to bottom, the missing bar moves one place counterclockwise. This pattern continues onto the next column.

Rule 2:   From left to right, the symbol rotates 45˚ clockwise. This pattern continues onto the next row.

Rule 1: From top to bottom, three squares are added to every new box. This pattern continues onto the next column.

Rule 2: Each column and row must have one box with one shaded square, one box with two shaded squares, and one box with three shaded squares.
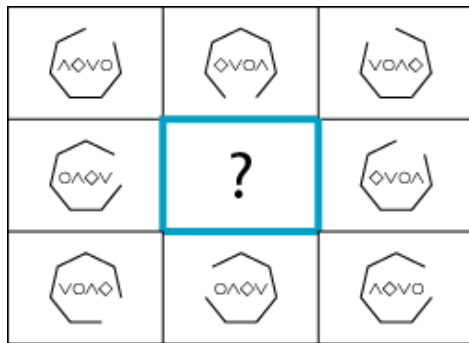
Q5 What replaces the question mark?

→↑↓	↑↗→	←↖↘
?	↑←↙	←↓←
→→→	↑↘↑	←↗↗

↑↓↖	↗←↖	←↗←	↗←→
↖↗↙	→→↑	↖→←	↘↑↖
→↙↖	↖↓↖	→→↓	→↖↗

Rule 1: From top to bottom, the left arrow remains the same in each column.

Rule 2: From top to bottom, the middle arrow rotates 135° anti-clockwise.

Rule 3: From top to bottom, the right arrow rotates 135° clockwise.

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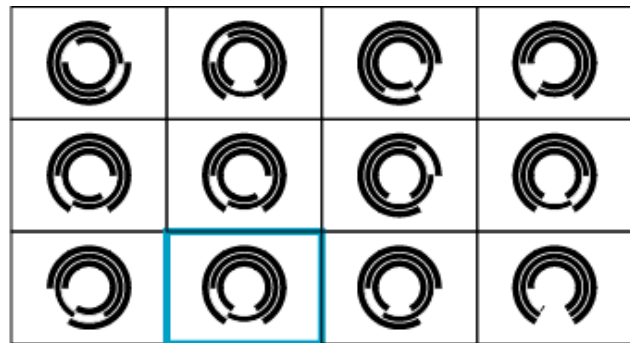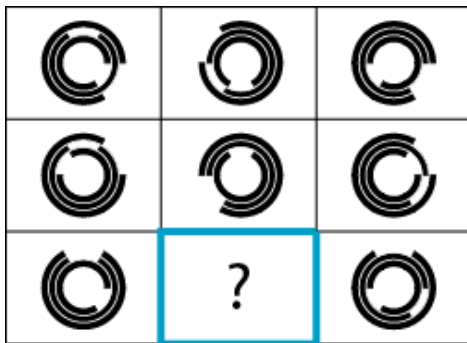
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What replaces the question mark?

Rule 1: From top to bottom, each shape in the sequence moves one place to the right. This pattern continues onto the next column.

Rule 2: From top to bottom, the missing link of the outer shape moves one place clockwise. This pattern continues onto the next column.
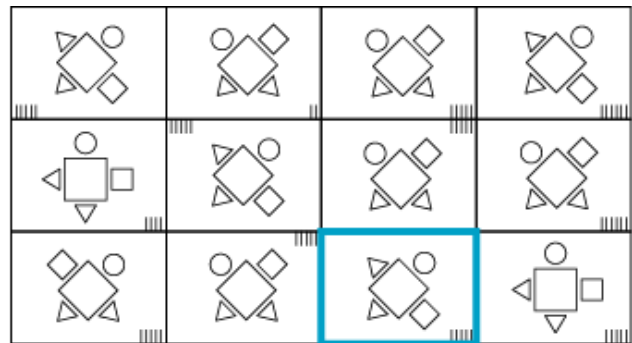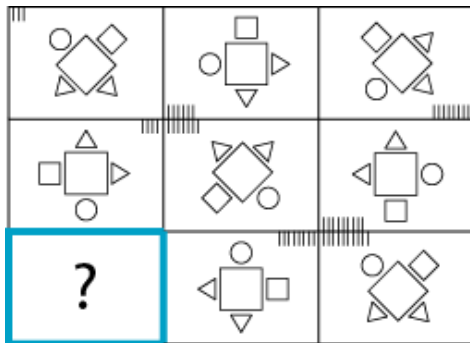
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Rule 1:   From left to right, the inside ring rotates 60˚ clockwise. This pattern continues onto the next row.

Rule 2:   From left to right, the middle ring rotates 120˚ counterclockwise. This pattern continues onto the next row. Alternatively, the middle ring is the same in each column.

Rule 3:   From top to bottom, the outside ring rotates 60˚ counterclockwise. This pattern continues onto the next column.
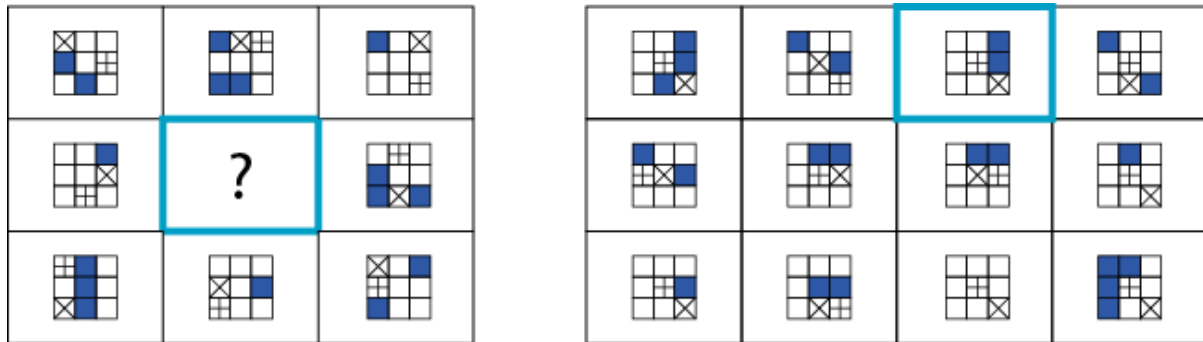
Q8 What replaces the question mark?

Rule 1: From left to right, the symbol in the centre rotates 45˚ counterclockwise. This pattern continues onto the next row.

Rule 2: From top to bottom, the number of notches in each box increases by one. This pattern continues onto the next column.

Rule 3: From top to bottom, the notches move clockwise to the next corner. This pattern continues onto the next line.

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Rule 1: From left to right, the "x" moves clockwise one place around the grid. This pattern continues onto the next row.

Rule 2: From top to bottom, the "+" moves two places to the right, and then moves onto the next row. This pattern continues onto the next column.

Rule 3: Each column and row must have one box with 1 shaded square, one with 2 shaded squares, and one with 3 shaded squares.

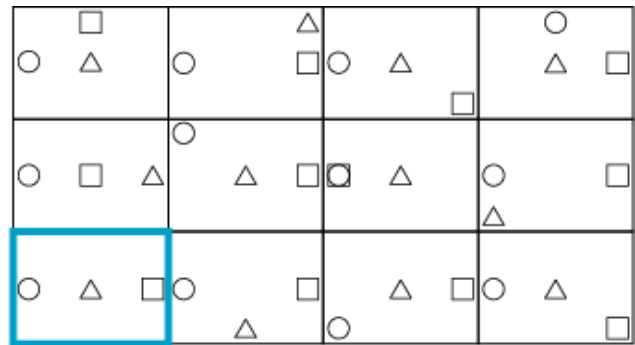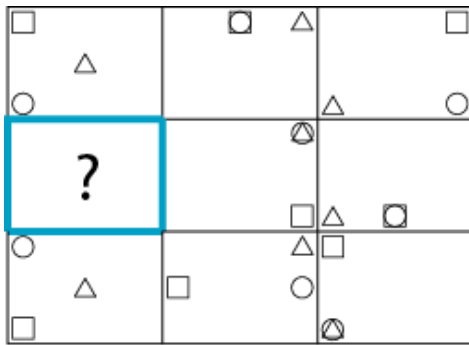**Rule 1:** The corners represent the individual components.

Rule 2: The side boxes are the composites of their adjacent corners.

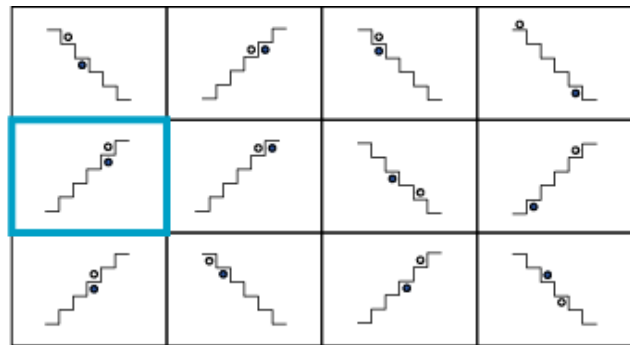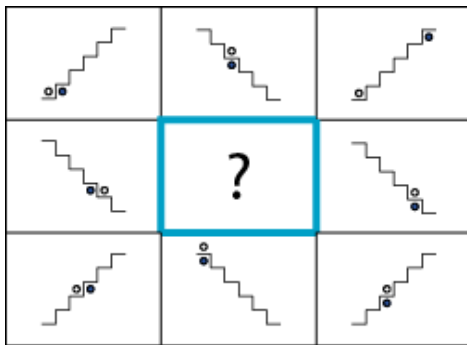**Rule 3:** The centre is the composite of all the corners, OR, all the sides.

Rule 1:   From left to right, the square moves one place clockwise around the box. This pattern continues onto the next row.

Rule 2:   From top to bottom, the circle moves one place clockwise around the box. This pattern continues onto the next column.

Rule 3:   From left to right, the triangle moves from centre, to top right corner, to bottom left corner and then begins again on the next row.

Q12 What replaces the question mark?

Rule 1: From left to right, the blue circle moves up two steps each time, then begins again from the bottom step. This pattern continues onto the next row.

Rule 2: From top to bottom, the white circle moves up one step each time, then begins again from the bottom step. This pattern continues onto the next column.

Rule 3: From left to right, the steps are mirrored in the vertical axis each time. This pattern continues onto the next row.

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End of test