# Logical Reasoning

Test 1

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.
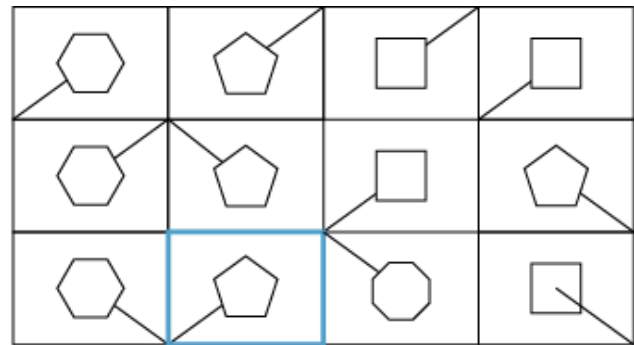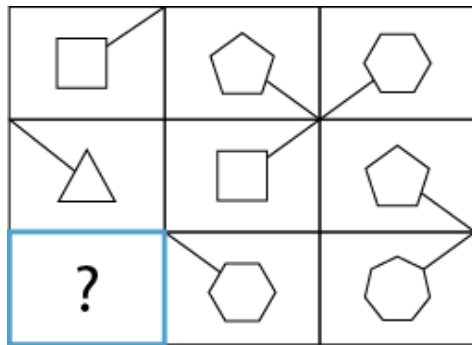
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What replaces the question mark?
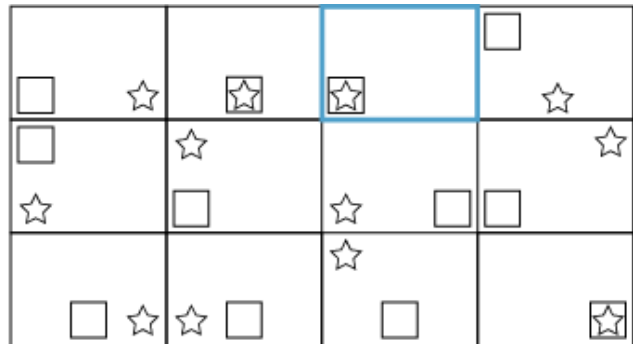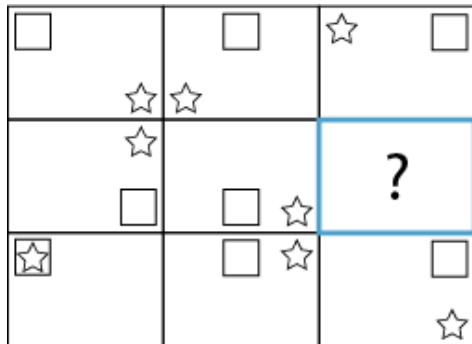
Rule 1: From left to right, the square moves one place clockwise each time. This pattern continues onto the next line

Rule 2: From top to bottom, the star moves one place counterclockwise to the next corner each time. This pattern continues onto the next column.
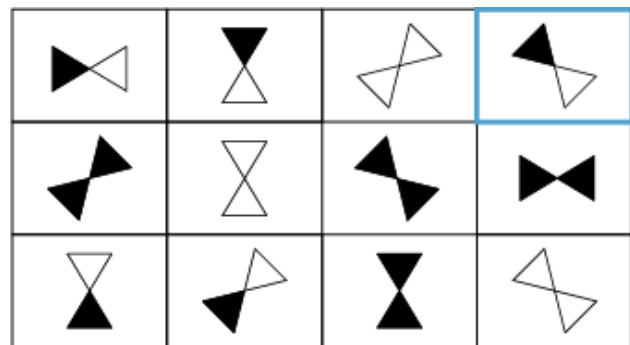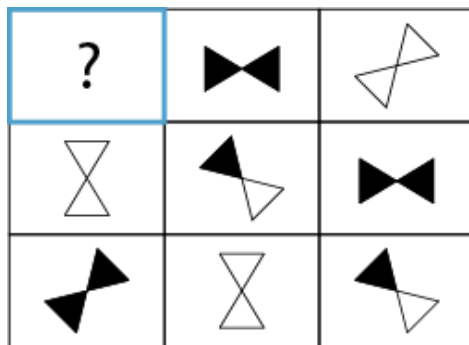
Rule 1: From left to right, the total number of edges on the shape increases by one.

Rule 2: From top to bottom, the line moves one place counterclockwise to the next corner. This pattern repeats onto the next column.

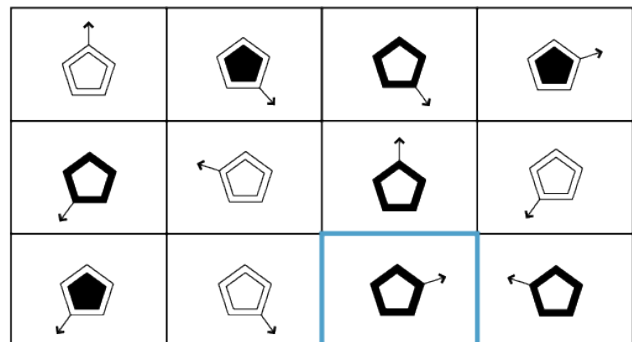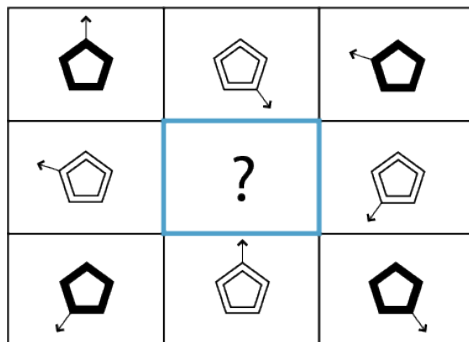**Rule 1:** From left to right, the symbol rotates 45˚ counterclockwise each time. This pattern continues onto the next row.

Rule 2: Each row and column has a symbol with two shaded halves, a symbol with one shaded half and a symbol with no shaded halves.

Rule 1: From top to bottom, the arrow moves counterclockwise one place around the shape each time.

Rule 2: From left to right, the shape outline alternates between shaded and unshaded.
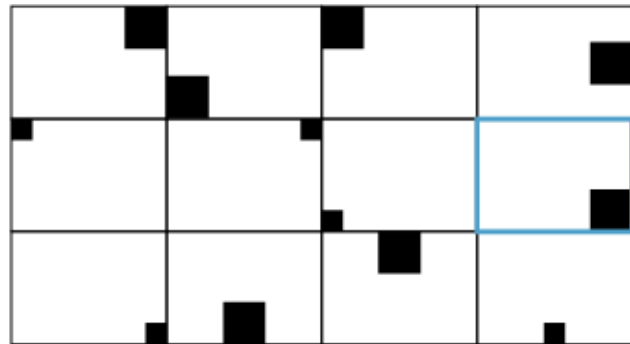
Q5 What replaces the question mark?

£$	$%	%&
$%	?	&£
%&	&£	£$

$&	£$	&$	££
$%	&£	%£	$£
£&	%&	&&	£%

Rule 1: From left to right, row by row, there is a character string: ££$$%%&&, which starts on the second pound sign. The character string could also be written starting from: £$$%%&&£.

What replaces the question mark?
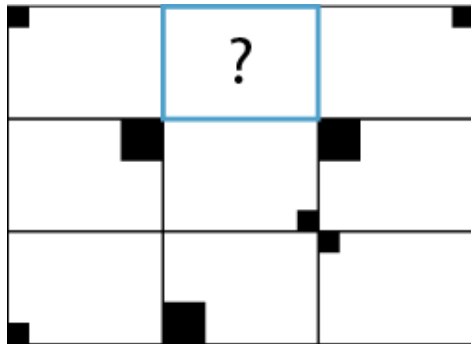
Rule 1: From left to right, the square alternates between large and small. This pattern continues onto the next row.

Rule 2: From top to bottom, the square moves clockwise one place, then two places, then three places and so on to the next corner. This pattern continues onto the next column.
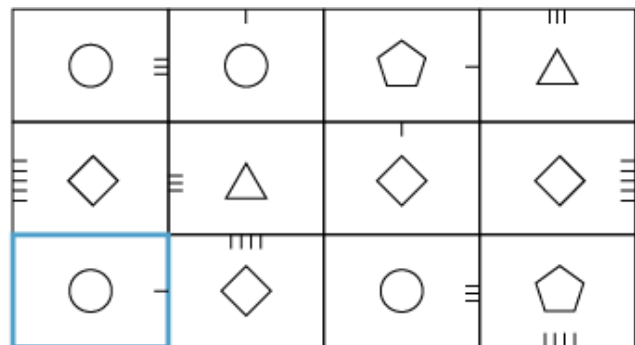
What replaces the question mark?

■	○●	△●
?	▲	□
▲	○■	○●

▲	□	▲□	▲△
△△	○○	△	●○●
△■	□	△●	○△

Rule 1: The total number of edges on the shapes in each row and column is equal to ten.

Rule 2: From left to right, every second shape is shaded. This pattern continues onto the next row.
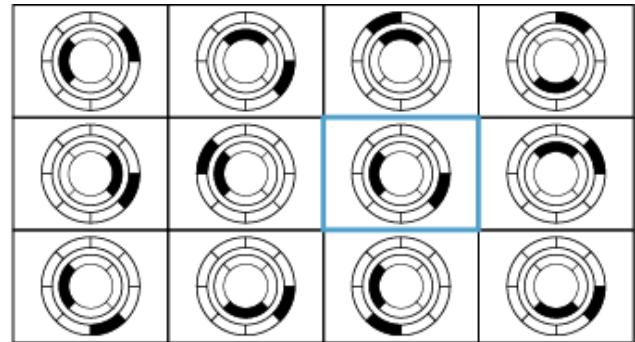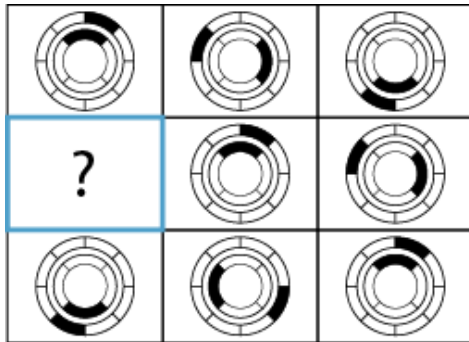
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What replaces the question mark?
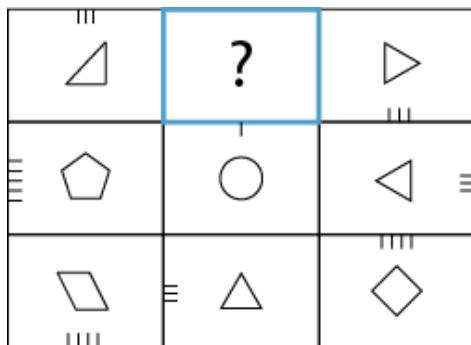
Rule 1: From left to right, the notches move one place clockwise around the box. This pattern continues onto the next row.

Rule 2: The number of notches is equal to the total number of edges on the shape in that box.

Rule 1: From top to bottom, the shaded segment of the outer ring moves two places clockwise each time.

Rule 2: From left to right, the shaded segment of the inner ring moves one place clockwise each time.

←↓	↖↙	?
↙↘	←↓	↖↙
↓→	↙↘	←↓

←↑	↑→	↙↖	↓↑
↑←	↗↖	↑↘	↓←
↖↙	↙↘	↘↗	←↓

Rule 1: From top to bottom, or left to right, the arrow rotates 45 degrees anti-clockwise or clockwise.

Rule 2: The arrows are all in right angles to the partner in the square.

What replaces the question mark?

Rule 1: From top to bottom, the symbol moves one place clockwise each time. This pattern continues onto the next column.

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

Rule 1: From left to right, the right hand shape rotates 90˚ counterclockwise each time. This pattern continues onto the next row.

Rule 2: The left hand shape rotates 90˚ counterclockwise every time the pattern moves onto a new row.

End of test

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