

# Logical Reasoning

## Test 8



### 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?

	—	
?		≡
	≡	

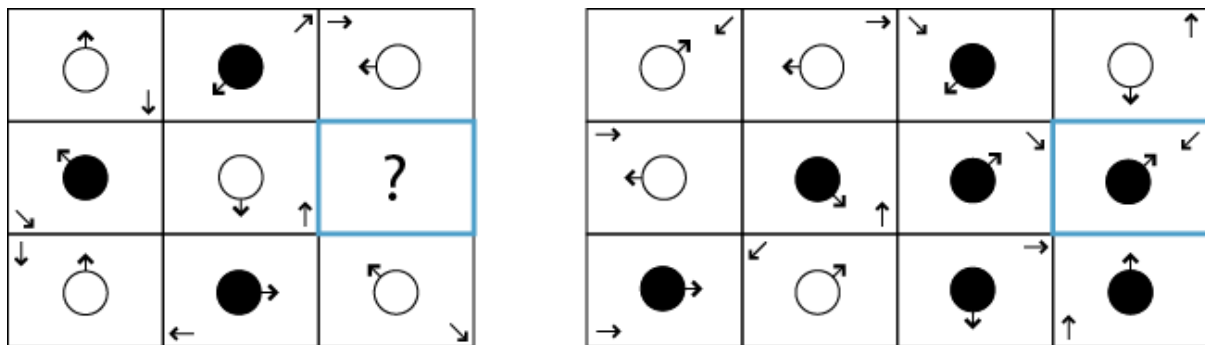
≡		≡	
	≡		≡
≡	≡		≡

**Rule 1:** From top to bottom, the total number of lines increases by one each time. This pattern begins again on the next column.

**Rule 2:** From left to right, the lines move one place clockwise each time. This pattern continues onto the next row.

**Rule 3:** From left to right, the lines alternate between horizontal and vertical. This pattern continues onto the next row.

**Q2** What replaces the question mark?



**Rule 1:** From left to right, the circle alternates between shaded and unshaded. This pattern continues onto the next row.

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

**Rule 3:** Both arrows always point in opposite directions.

**Q3** What replaces the question mark?

/ — \	—   —	?
/	/ — /	—
\ — —	\	/ — \

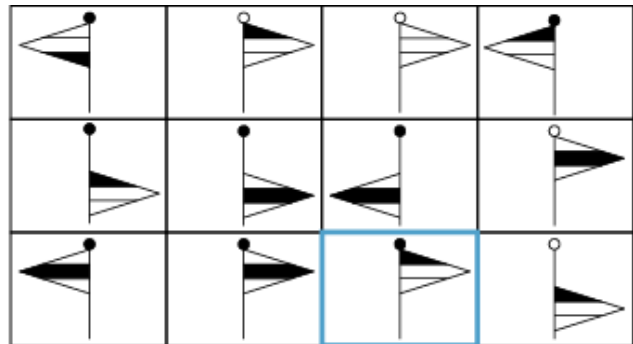
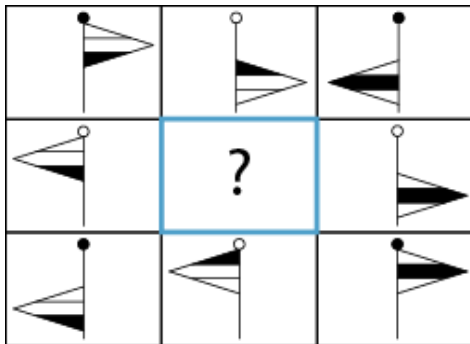
/ — \	\ /	—	\ — \
\ —	— /	\	/ —
— \	\ —	\ \ —	/

**Rule 1:** From top to bottom, the left hand line rotates 45° counterclockwise each time. This pattern continues onto the next column.

**Rule 2:** From left to right, the right hand line rotates counterclockwise one place, then two places, then three places and so on. This pattern continues onto the next row.

**Rule 3:** From left to right, the middle line alternates between horizontal and vertical. This pattern continues onto the next row.

**Q4** What replaces the question mark?



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

**Rule 2:** From left to right, the shaded segment of the flag moves down one place each time. This pattern continues onto the next row.

**Rule 3:** From left to right, the circle at the top of the flagpole alternates between shaded and unshaded. This pattern continues onto the next row.

**Q5** What replaces the question mark?

→●↖	↘○↑	↓●↗
↙○↑	←●↗	?
↑●←	↗○↖	→●↑

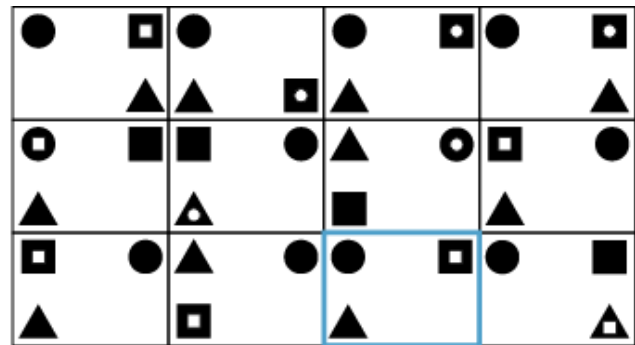
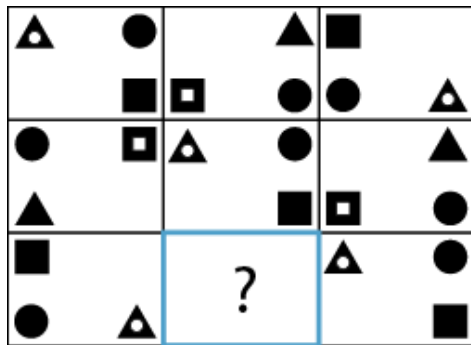
←○↑	↑○↙	↘●↙	→●↙
↘●→	↙○↓	↓●↘	↑○↙
↖○→	←●↑	↑●↙	↖○↗

**Rule 1:** From top to bottom, the left arrow rotates 135° clockwise.

**Rule 2:** From left to right, both arrows rotate 45° clockwise.

**Rule 3:** From left to right, top to bottom, the circle alternates from white to black.

**Q6** What replaces the question mark?

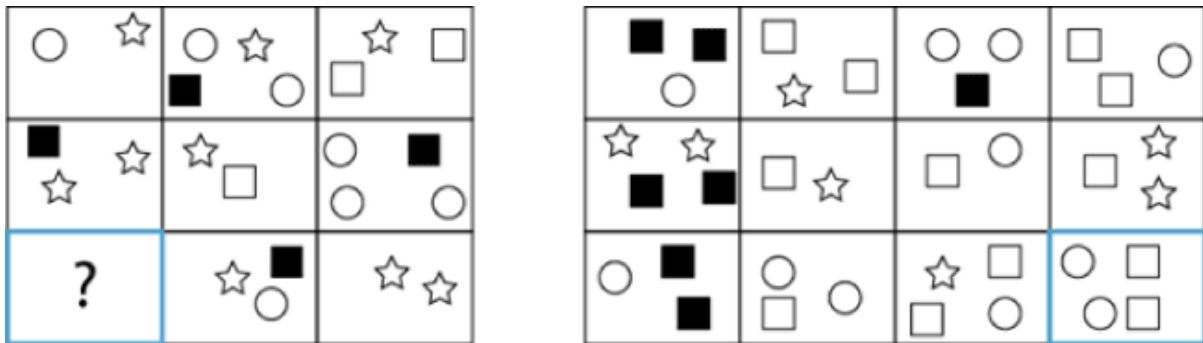


**Rule 1:** From top to bottom, the shaded shapes move one place counterclockwise each time. This pattern continues onto the next column.

**Rule 2:** From left to right, the small unshaded shape alternates between circle and square. This pattern continues onto the next row.

**Rule 3:** From left to right, the small unshaded shape moves one place counterclockwise each time. This pattern continues onto the next row.

**Q7** What replaces the question mark?



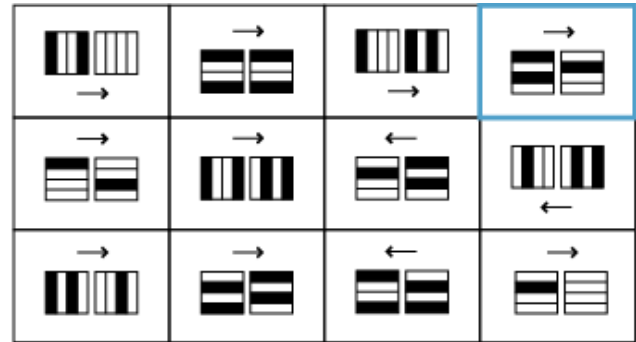
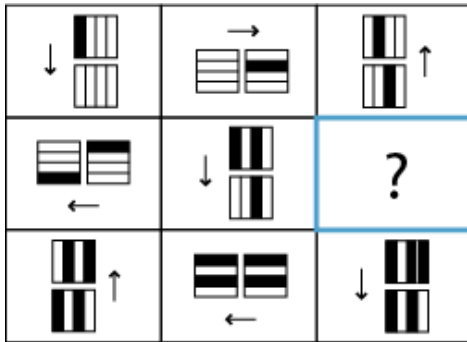
**Rule 1:** Each column contains 3 stars, 3 squares and 3 circles.

**Rule 2:** Each row contains 3 stars, 3 squares and 3 circles.

**Rule 3:** From left to right, the squares in each box alternate between shaded and unshaded. this pattern continues onto the next row.



**Q8** What replaces the question mark?

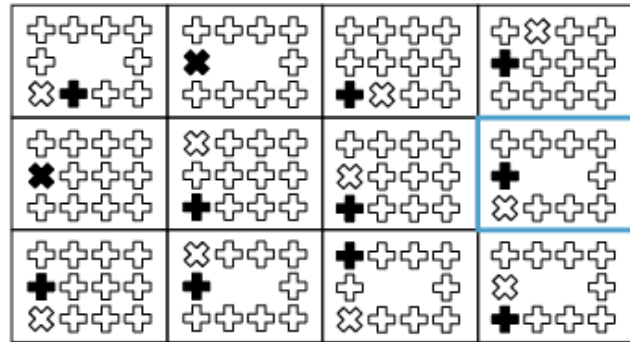
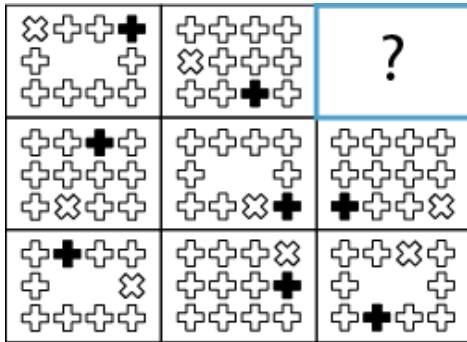


**Rule 1:** From left to right, the squares and arrow move one place clockwise each time. This pattern continues onto the next row.

**Rule 2:** From top to bottom, the arrow and the lines in the squares rotate 90° each time. This pattern continues onto the next column.

**Rule 3:** From left to right, the total number of shaded bars in the squares increases by one every two boxes. This pattern continues onto the next row.

**Q9** What replaces the question mark?



**Rule 1:** From left to right, the shaded cross moves three places clockwise each time. This pattern continues onto the next row.

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

**Rule 3:** From left to right, the pattern alternates between having and not having two centre crosses. This pattern continues onto the next row.

**Q10** What replaces the question mark?

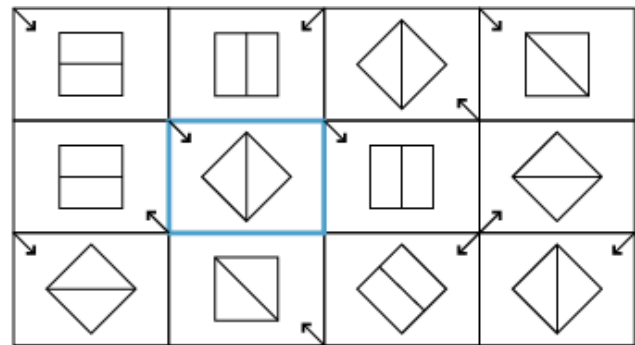
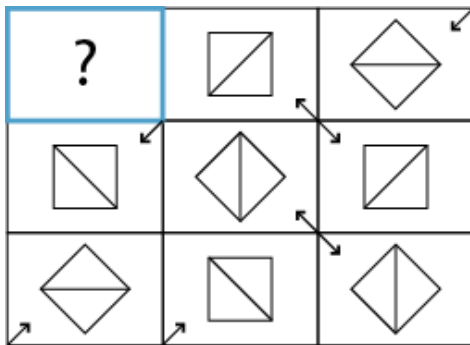
၁၂၃၄	၅၆၇၈	၉၁၂၃
၄၅၆၇	?	၈၉၁၂
၇၈၉၁	၂၃၄၅	၆၇၈၉

၁၂၃၄	၅၆၇၈	၉၁၂၃	၄၅၆၇
၇၈၉၁	၂၃၄၅	၆၇၈၉	၁၂၃၄
၅၆၇၈	၉၁၂၃	၄၅၆၇	၈၉၁၂

**Rule 1:** The symbols form a meta-pattern that cascades from top left to bottom right.

**Rule 2:** The symbols are in a consistent pattern: ၁၂၃၄၅၆၇၈၉

**Q11** What replaces the question mark?

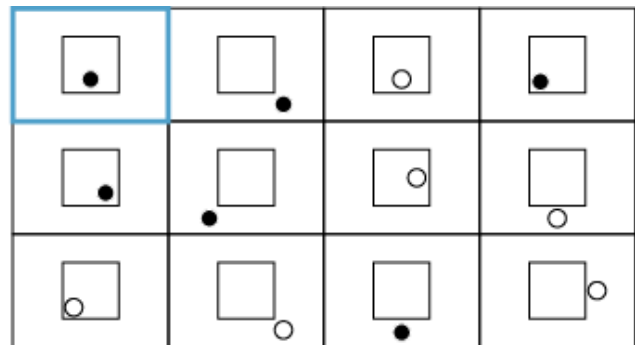
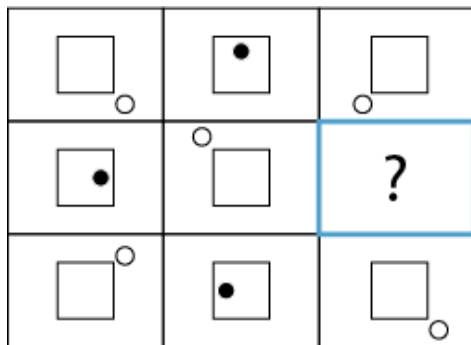


**Rule 1:** From top to bottom, the arrow moves clockwise one place, then two places, then three places and so on, each time. This pattern continues onto the next column.

**Rule 2:** From left to right, the square rotates  $45^\circ$  clockwise each time. This pattern continues onto the next row.

**Rule 3:** From top to bottom, the line in the square rotates  $45^\circ$  counterclockwise each time. This pattern continues onto the next column.

**Q12** What replaces the question mark?



**Rule 1:** From top to bottom, the circle moves one place counterclockwise around the square. This pattern continues onto the next column.

**Rule 2:** From top to bottom, the circle alternate between being inside and outside of the square. This pattern continues onto the next column.

**Rule 3:** From left to right, the circle alternate between shaded and unshaded. This pattern continues onto the next row.

**End of test**