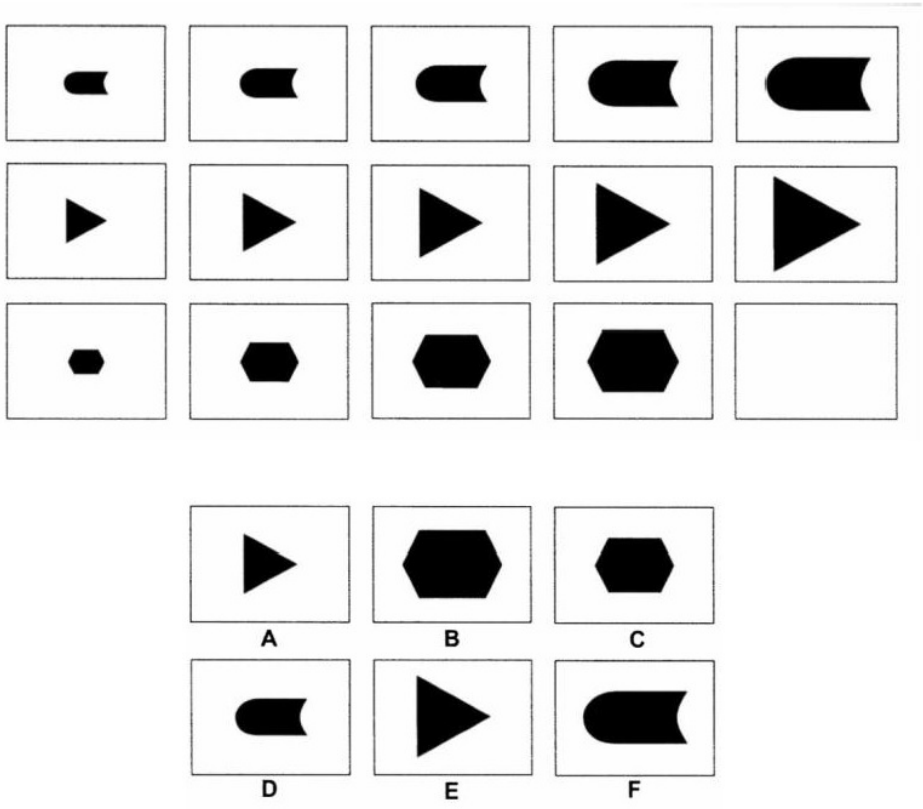
Part 1: Intelligence Test

In this part of the study, you will answer questions from an intelligence test. The intelligence quotient (IQ) will be calculated based on your answers. IQ is a measure of a person's performance relative to other people and is a very stable characteristic of a person. **The IQ correlates very strongly with later educational success, success in the labor market, and income.**

In this study, your performance in the intelligence test will also affect how much you will earn. We will calculate a score equal to the number of correctly answered questions minus the number of incorrectly answered questions.

Before we begin with the test, you can **familiarize yourself with the nature of the task by reading the following 10 sample questions**. Among the six boxes, denoted with letters A to F, there is one correct answer for the blank field. Please try to find the correct answer yourself before looking at the solution on the following page.

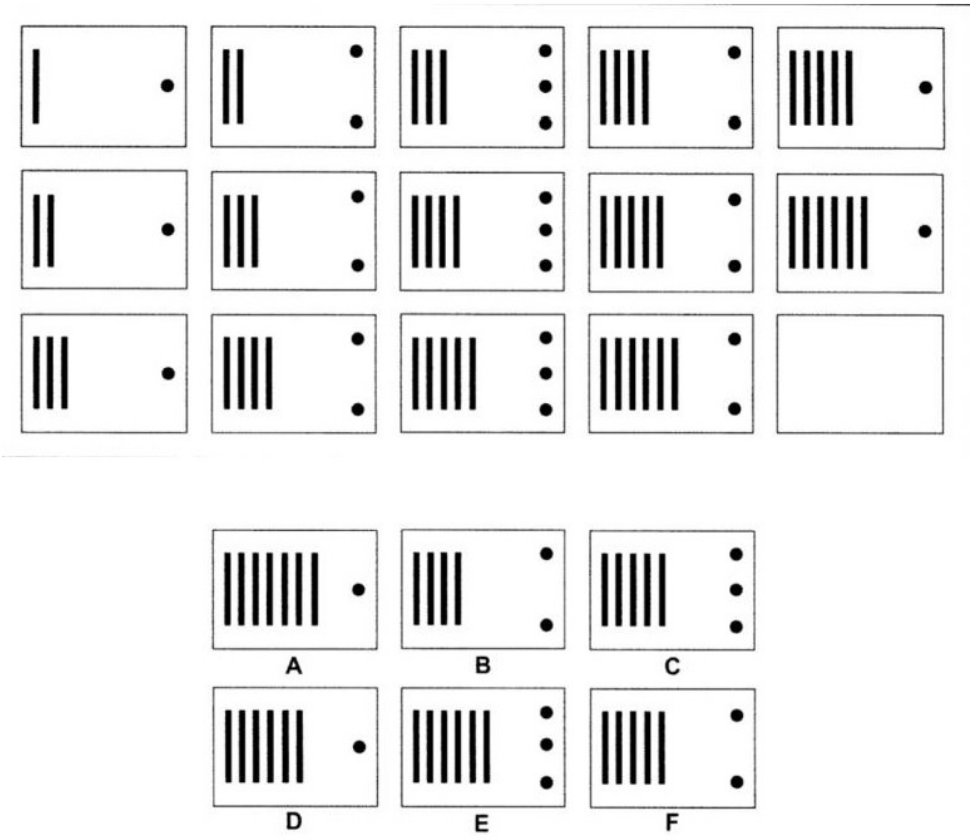
Example 1



Example 1: Solution

Correct answer: B. The logic of the problem could be found in the rows. In each row, there is a specific symbol that becomes bigger from left to right.

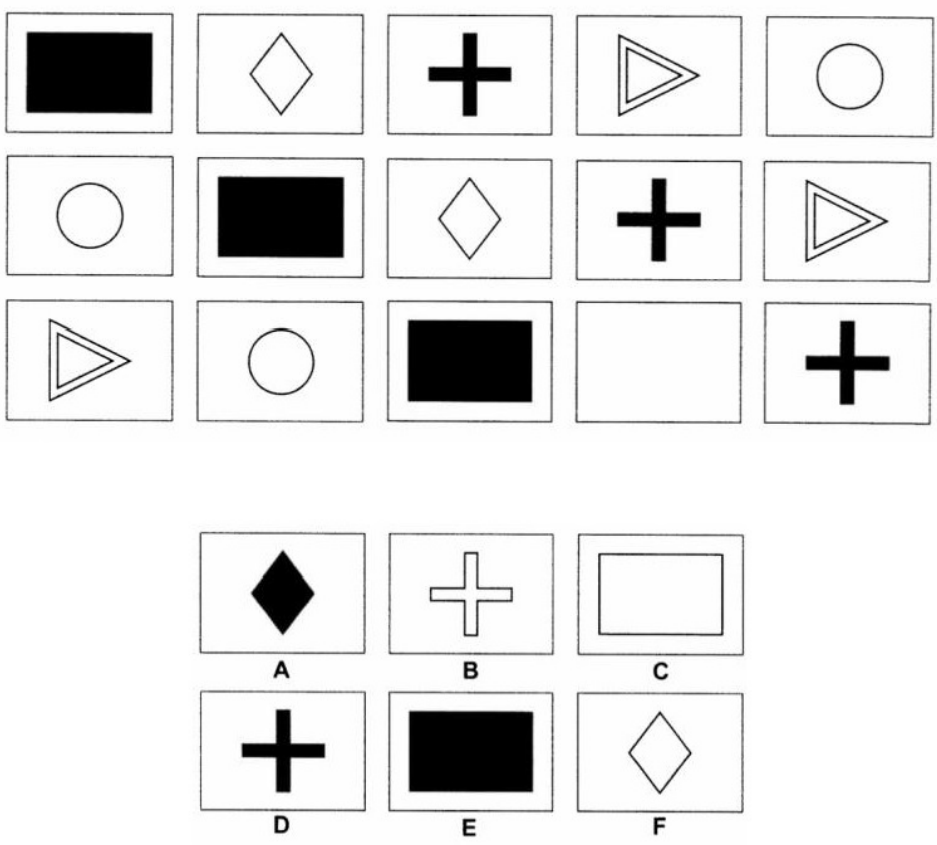
Example 2



Example 2: Solution

Correct answer: A. In each line, the number of bars increases by one unit with each field. The number of dots increases to the middle column and decreases thereafter. That is, the dots are distributed symmetrically around the middle column.

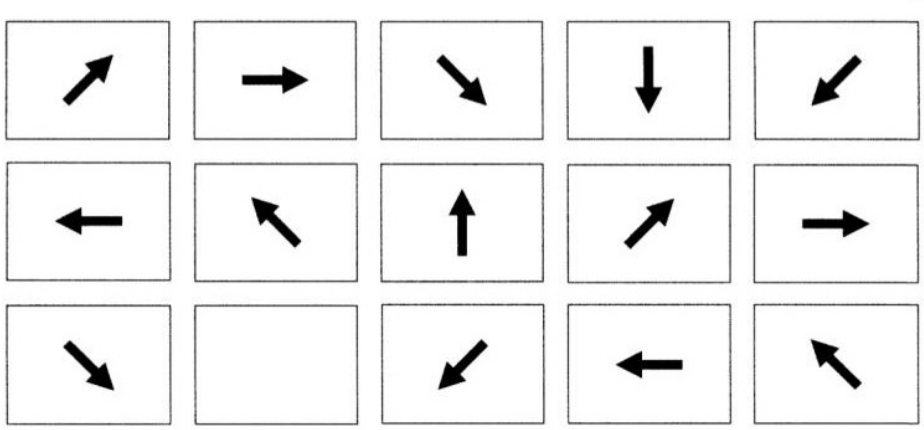
Example 3

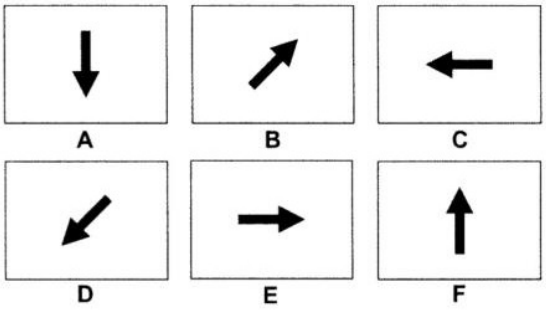


Example 3: Solution

Correct answer: F. The logic of the problem lies in the diagonals from the top left to the bottom right. Each diagonal has the same symbol.

Example 4

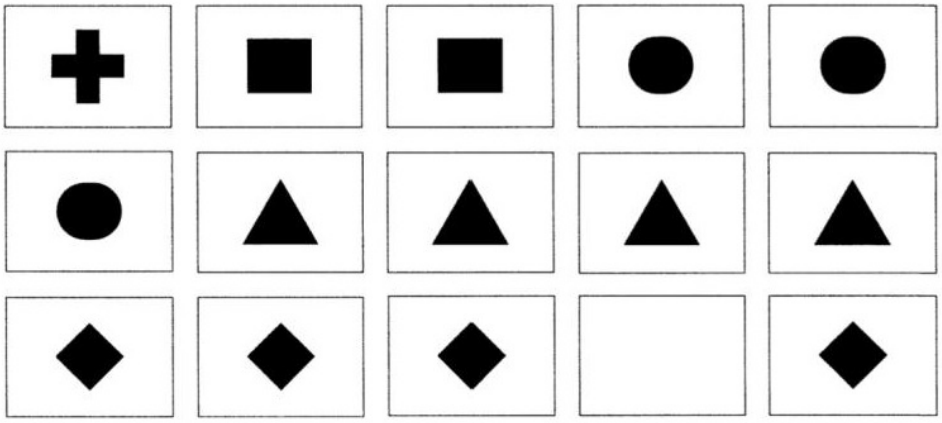


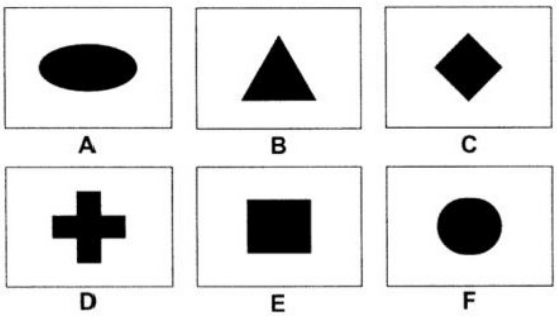


Example 4: Solution

Correct answer: A. The logic lies in the lines from left to right: the arrow rotates clockwise, 45 degrees at a time.

Example 5

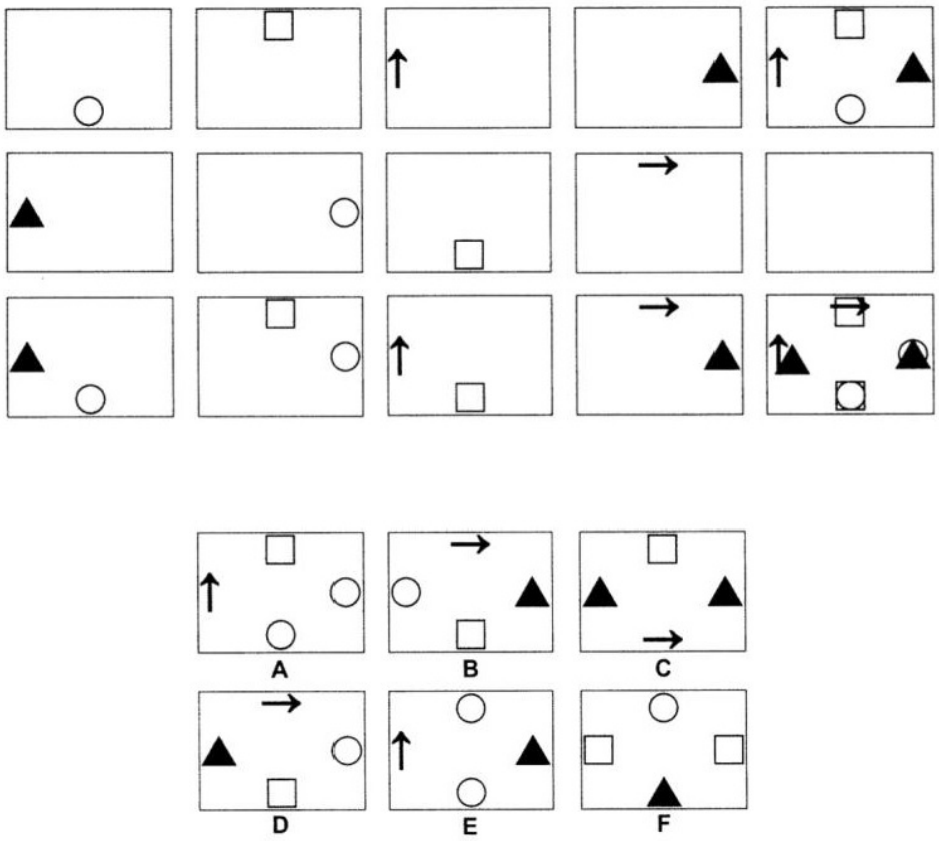




Example 5: Solution

Correct Answer: C. In this task, we distinguish five symbols: the first appears once, the second twice, the third three times, the fourth four times, and the fifth five times. The symbols are arranged in a line.

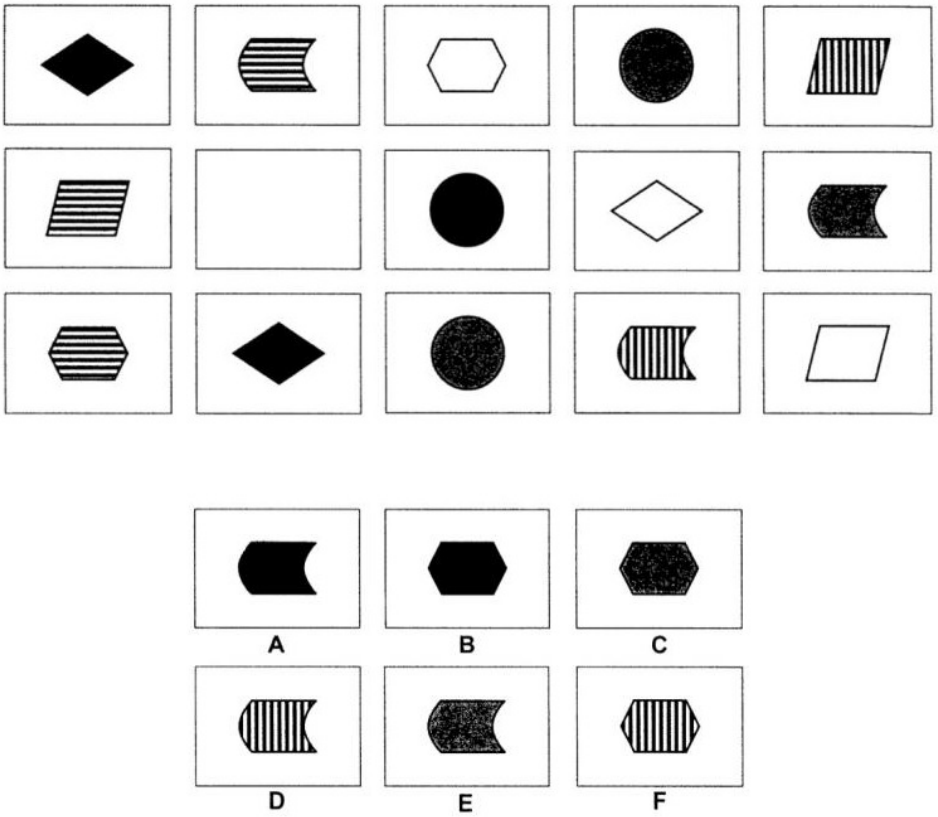
Example 6



Example 6: Solution

Correct Answer: D. The logic can be seen by looking at each row from left to right. Here the last field contains the sum of the elements of the previous fields, i.e. we find all symbols in the same place. The same logic is found in the columns from top to bottom, where the last field in each column contains the sum of the elements of the previous fields.

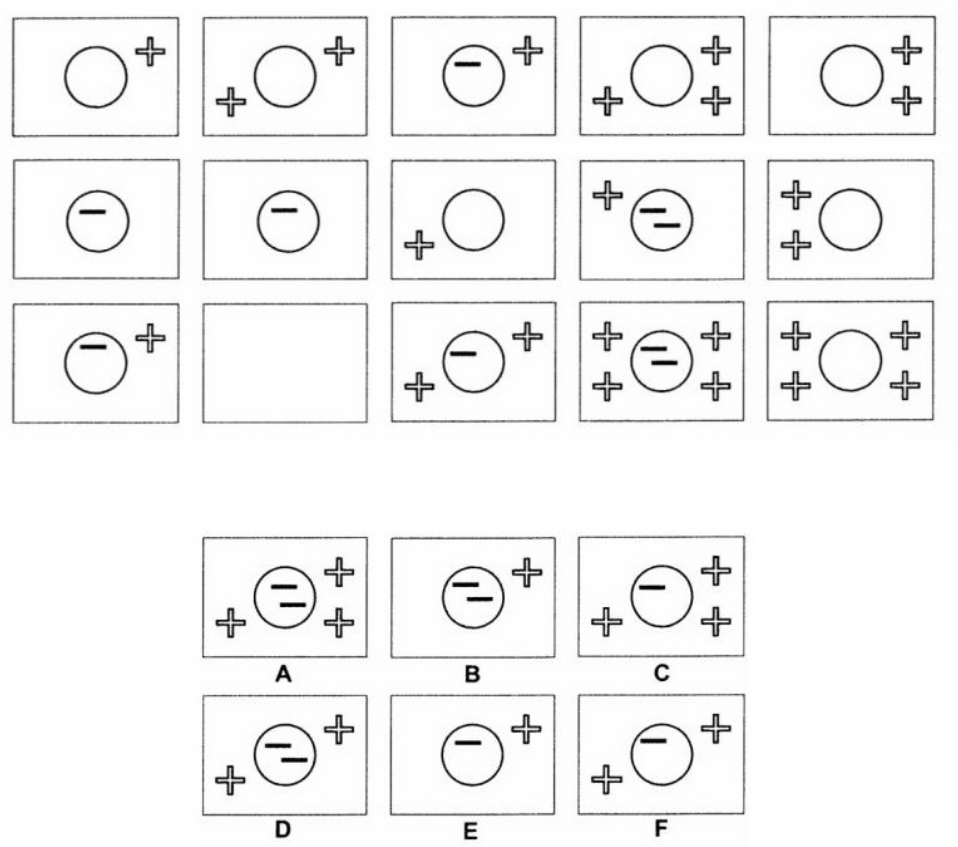
Example 7



Example 7: Solution

Correct answer: F. The logic lies in the lines. There are five symbols and five patterns. In each line, each symbol and each pattern appears once.

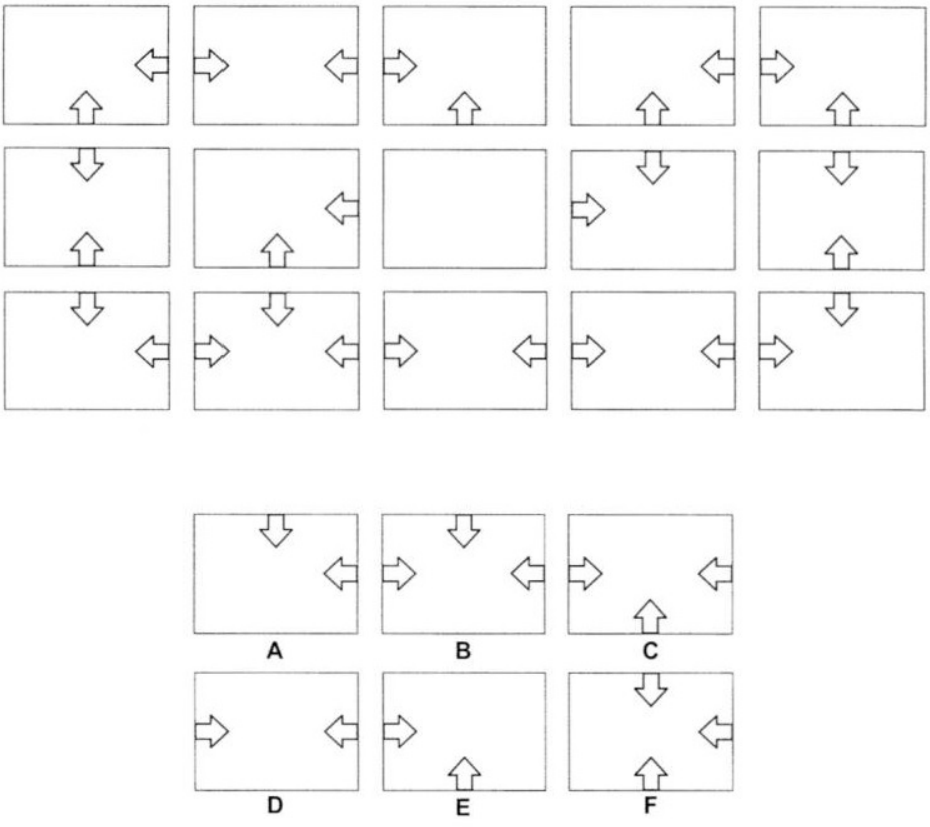
Example 8



Example 8: Solution

Correct Answer: F. The logical principle of this exercise can be found in the columns. The third row of each column contains the sum of the elements of the first and second rows.

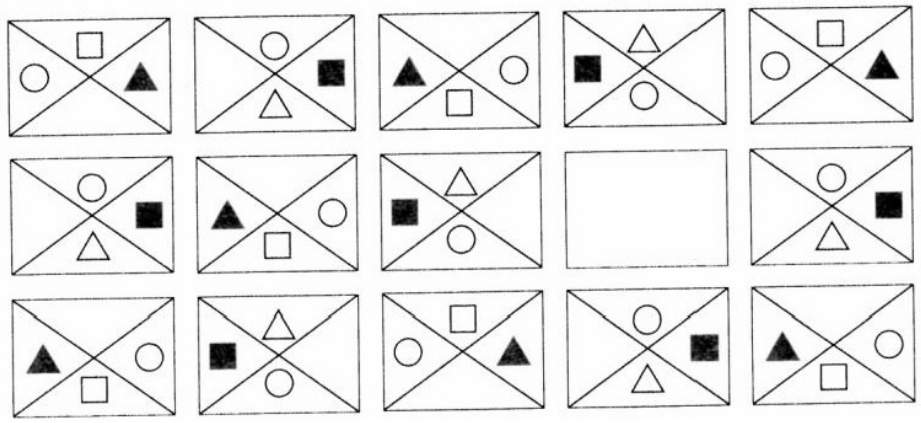
Example 9

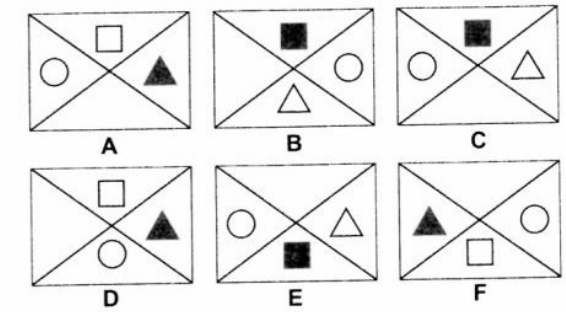


Example 9: Solution

Correct Answer: B. To find the solution to this exercise, all fields have to be considered simultaneously: if an arrow appears in one field, it also appears symmetrically in the next field.

Example 10





Example 10: Solution

Correct answer: A. The problem can be solved by looking at the lines: From field to field, each symbol moves 90 degrees. Also, the square and triangle are alternately black. The same logic could be found vertically in the columns.