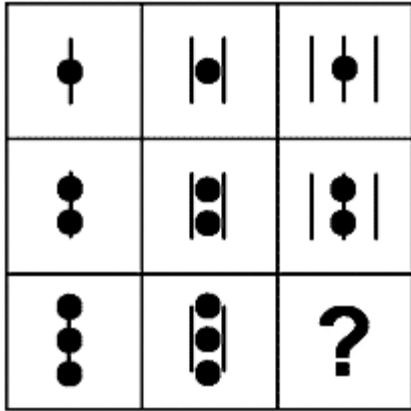


MATRICES:

Complete the matrices with the appropriate figures!

Example:

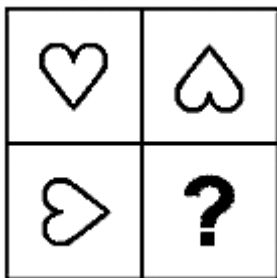


Solution: Looking at the rows, from left to right, the number of vertical lines in each element increase by 1. Looking at the columns, from top to bottom, the number of dots increases by 1 for each element. Therefore the questionmark should be replaced with a figure holding 3 vertical lines and 3 dots.

Answer:

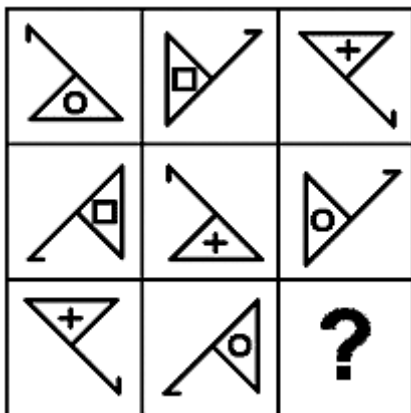


1.



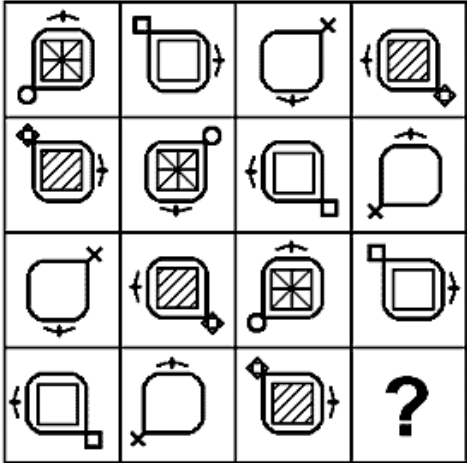
- A: B: C: D: E: F: G:

2.



- A: B: C: D: E: F: G:

3.



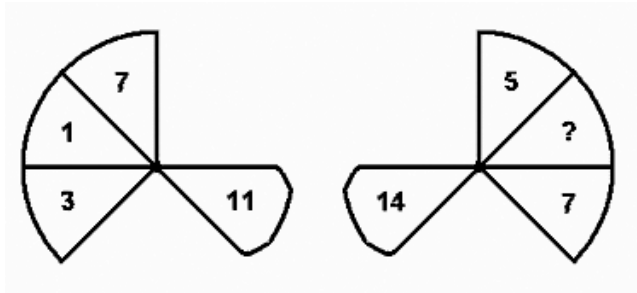
- A:
- B:
- C:
- D:
- E:
- F:
- G:

- End of subtest 1 -

NUMERICAL FIELDS:

Make the items complete by replacing the questionmarks with the appropriate numbers!

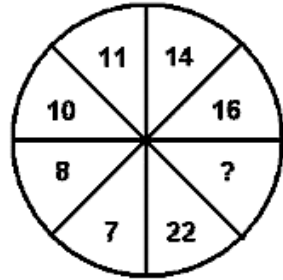
Example:



Solution: In the first set of fields, the number in the right element is the sum of the numbers in the opposing elements ($7+1+3 = 11$). Therefore the questionmark should be replaced so that the sum of the opposing elements on the last set of numbers is set to 14.

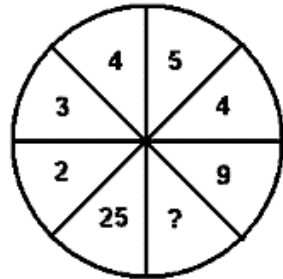
Answer:
2

1.



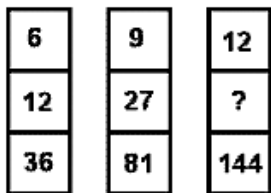
A: 16 B: 17 C: 18 D: 19 E: 20 F: 21 G: 22

2.



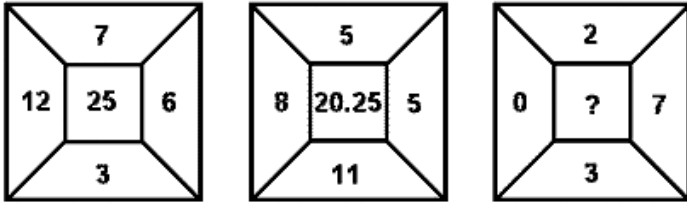
A: 1 B: 7 C: 10 D: 14 E: 16 F: 18 G: 27

3.



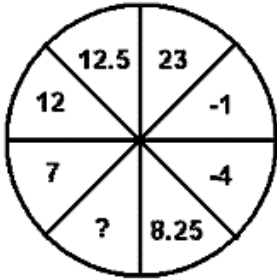
A: 24 B: 30 C: 36 D: 40 E: 48 F: 49 G: 64

4.



A: 12.25 B: 16 C: 18.5 D: 20.75 E: 22 F: 25.1 G: 30.75

5.



A: 6.25 B: 14.5 C: 17 D: 19.75 E: 20 F: 21.1 G: 23.25

- End of subtest 2 -

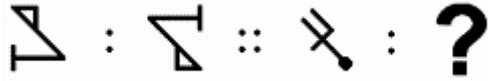
Subtest 3 of 6

ANALOGIES:

Complete the analogies!

⋮ = "is to" ⋮⋮ = "as"

Example:

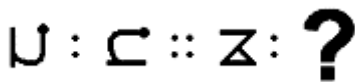


Solution: The relationship between the figures in the first half of the analogy is a rotation of 180 degrees. This means that the questionmark should be replaced by a 180 degrees rotated object that is identical to the first figure in the right half of the analogy.

Answer:

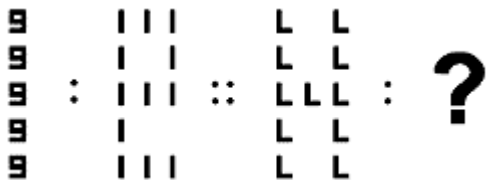


1.



- A: B: C: D: E: F: G:

2.



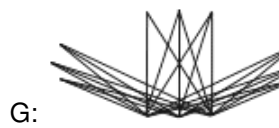
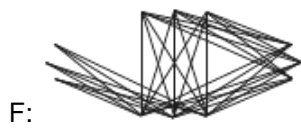
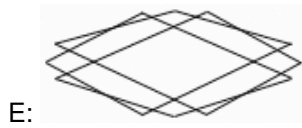
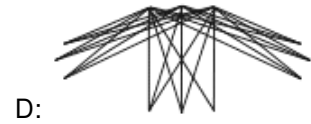
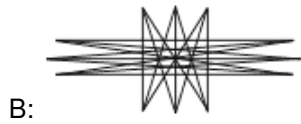
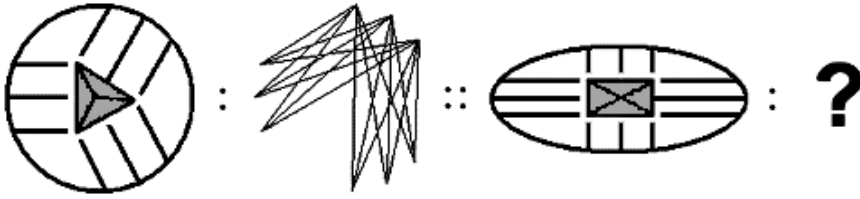
- A: B: C: D: E: F: G:

3.

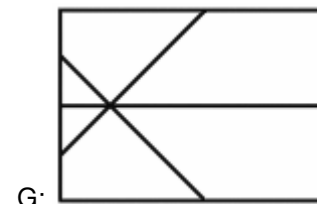
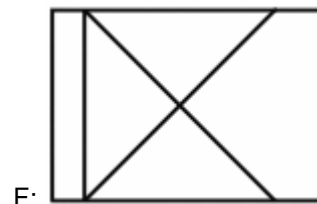
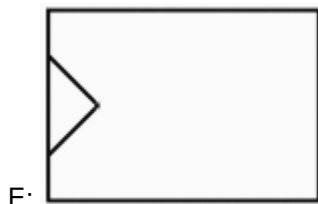
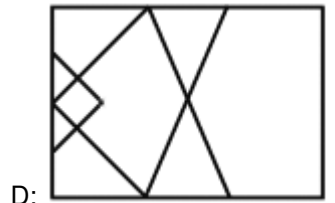
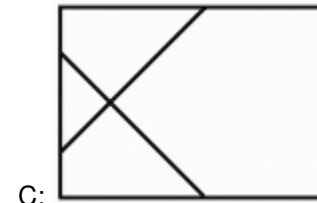
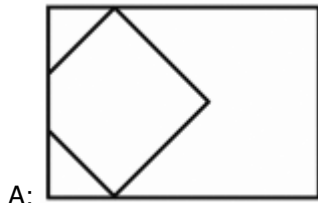
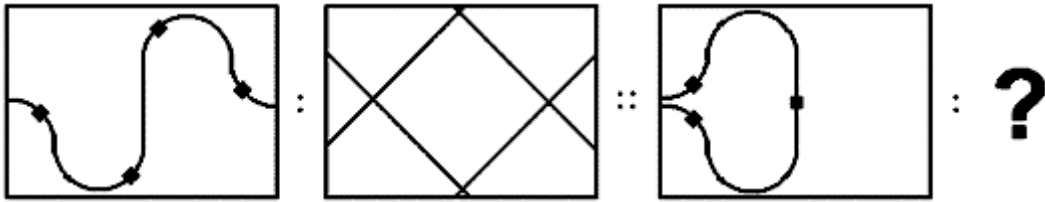


- A: B: C: D: E: F: G:

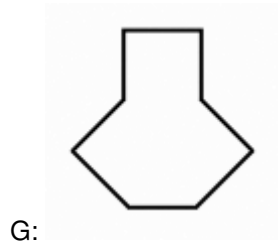
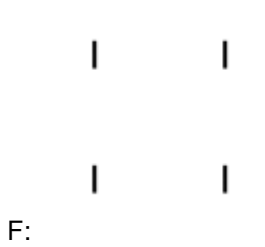
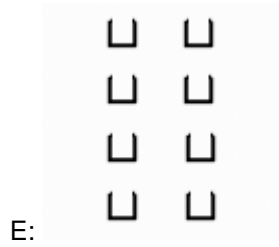
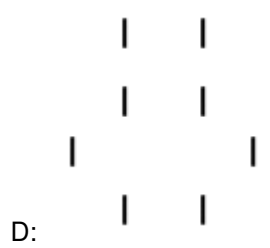
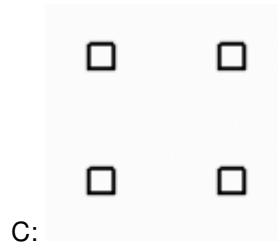
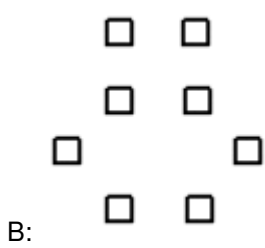
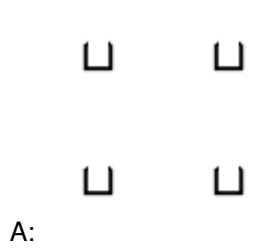
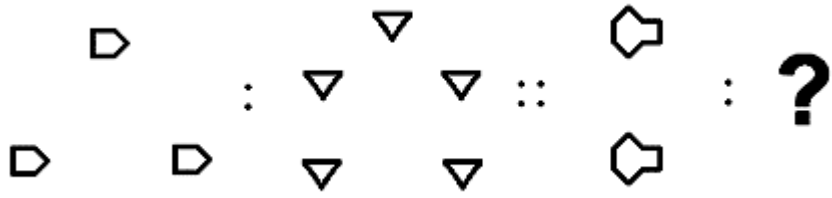
4.



5.



6.



- End of subtest 3 -

Subtest 4 of 6

NUMBERS:

Make the items complete by replacing the questionmark with the appropriate number!

Example:

111111, 22222, 3333, 444, ?

Solution: The number of integers in each element decreases with 1 for each element. The integers themselves increase with 1 for each element. Therefore the questionmark should be replaced by 2 integers, each with the value of 5.

Answer:
55

1.

1, ?, 111

A: 10.53 B: 11 C: 101 D: 22 E: 212 F: 33 G: 323

2.

53, 57, 97, 911, ?

A: 883 B: 913 C: 1103 D: 1203 E: 1299 F: 1311 G: 1874

3.

1321, 435632, 712815113091856, ?

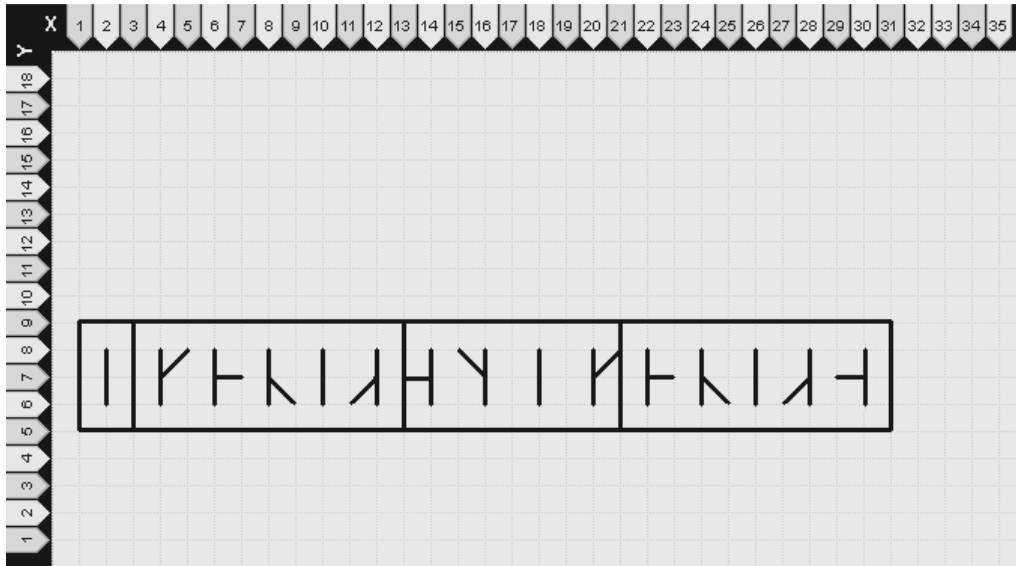
A: 1015104520 B: 74517845765204575 C: 321542164547301451554587

D: 4745452124515704185258700299 E: 8712381319118732543575342557556

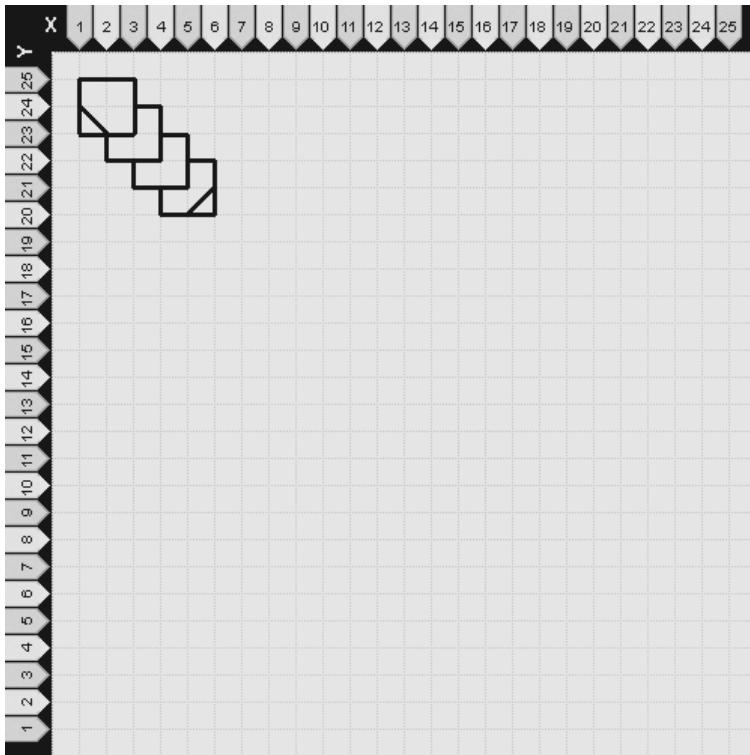
F: 19842096231202616542172233039270 G: 87321016986565214330901099813401130

- End of subtest 4 -

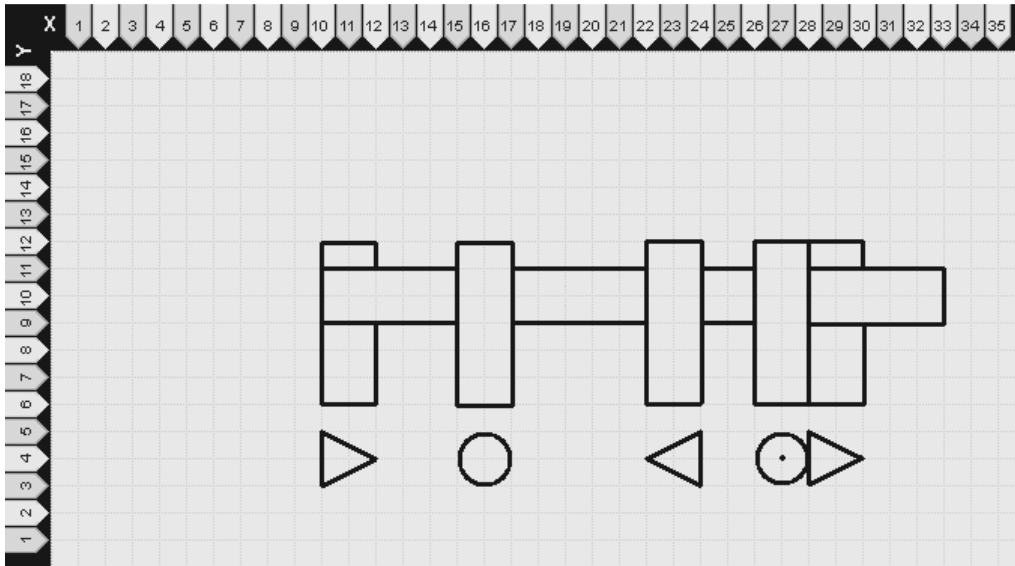
2.



3.



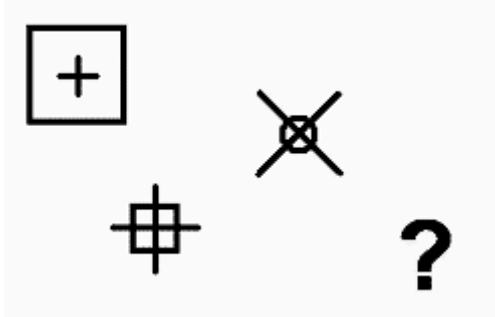
4.



- End of subtest 5 -

Subtest 6 of 6
 MISSING FIGURES:
 Replace the question mark with the appropriate figure!

Example:



Solution: Each figure is made up by 2 separate objects and each object appears twice: once in a big state and once in a small state. A big circle and a small cross are the only objects that are missing.

Answer:



1.

