1

Compare without calculating:

57 + 29 ☐ 57 + 30   57 – 29 ☐ 57 – 30   58 + 30 ☐ 59 + 29

65 + 18 ☐ 65 + 20   65 + 18 ☐ 63 + 18   65 + 18 ☐ 64 + 19

47 + 18 ☐ 50 + 15   47 – 16 ☐ 47 – 19   80 – 19 ☐ 81 – 20

2

Calculate using commutative property of addition:

Example: 6 + 15+ 4 = (6 + 4) + 15 = 25

17 + 7 + 13 + 3=_____=_____

2 + 21 + 19 + 8 = _____=_____

1 + 35 + 19 + 5=_____=_____

17 + 41+ 3 + 19 = _____=_____

28 + 13 + 12 + 7=_____=_____

3

The routes **KBT** and **MAN** pass through forest.
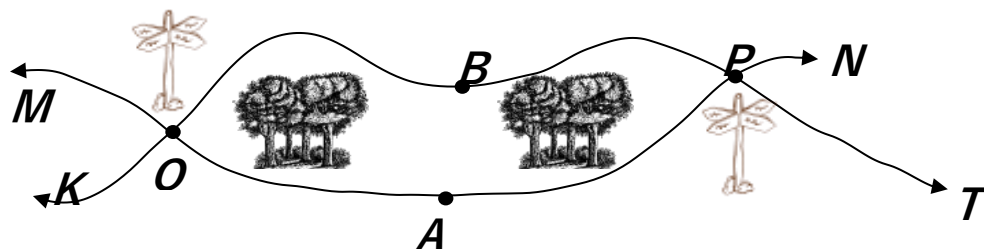
a) Name the points in which those two routes intersect _____

b) Which intersection point should you pass to get from point **K** to point **M**? _____

c) How many possible routes can you take to get from point **K** to point **N**? _____

4

Solve the problems:

a) If a winter day has 10 hours of daylight, then how many hours of darkness in the day? (Hint: the whole day has 24 hours).

_____

b) Last year Sasha was 7 years old. How old he will be in 2 years from now?

_____

5

Compare numbers using >, <, or =. Each letter stands for a single digit. Same letter stands for the same digit.

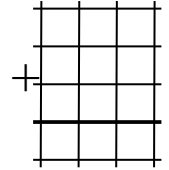SP □ M   Q0 □ Q1   3L □ 5L

6

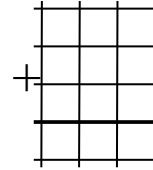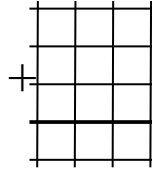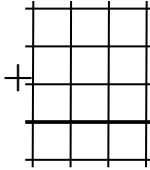Write the numbers in columns and calculate their sums.

213 + 48 + 456

276 + 509 + 84

525 + 370 + 9

35 + 460 + 1

7

Compare using >, <, or =.

456 - c __ 365 - c 207 + d __ 720 + d a + 25 __ a + 125

x - 111 __ x - 9   340 - 0 __ 340 + 0 $b - 602$ __ $b - 62$

8

Study the pictures below and try to recognize the patterns. Then, draw the   missing shapes in the empty boxes.
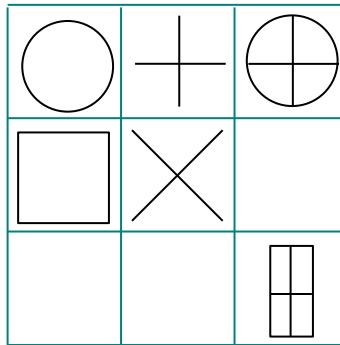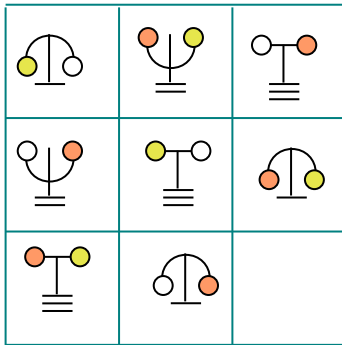
9

Number the order of operations:

a) $(a - b) + (c - d)$ c) $a + (b - c) - (d - k)$

b) $a - (b + c) - d$ d) $(a + b) - (c - d) - k$

10

Write down the numerical expressions, use parentheses to help yourself with a number of operations. Calculate the value of each expression.

To the sum of 45 and 36, add 5: _____

To the number 91, add the sum of 9 and 27: _____

From the sum of 78 and 46, subtract 28: _____

11

Solve for x. Check your answers.

$315 - x = 62$ $x + 407 = 530$ $x - 18 = 69 + 25$

_____   _____   _____

_____   _____   _____

_____   _____   _____

_____   _____   _____

12

Find the perimeter:

a) One side of a triangle is 3 m 4 dm 8 cm, the second side is 29 dm, and the third side is 4 m 2 cm. What is the perimeter of the triangle in centimeters?
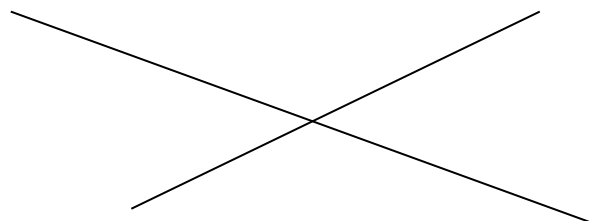
P =_____

b) A rectangle is 1 m 25 cm long and 3 dm 5 cm wide. What is the perimeter of the rectangle in centimeters?

P =_____

13

Ann drew two intersecting straight lines. She marked 3 points on one of the lines and 5 points on the other one.
Totally she marked 7 points.
How is this possible? Show on the picture.

14

Find the value of the expressions by the most optimal way (open or don't open the parentheses):

a) $(48 + 12) - (34 + 26) =$ b) $(66 + 36) + (44 - 26) =$

c) $19 + 17 + (53 - 17) =$ d) $39 + (58 - 29) + 32 =$

15

Number the order of operations

a) $(a + b) - (h + c)$ b) $d - (b - c + d)$ c) $c + (b - c) + d$

16

Open parentheses (if it'll make your calculations easier) and calculate the value of each expression:

a) $295 + (32 - 95) =$_____

b) $(123 - 75) - (23 + 25) =$ _____

c) $125 - (125 - 93) - 23 =$ _____

d) $(999 + 532) - 32 - (499 + 498) =$ _____