

1. Multiplication by 5. Fill in the missing numbers.

$$\begin{array}{llll} 5 \times 11 = \underline{\quad} & 5 \times 12 = \underline{\quad} & 5 \times \underline{\quad} = 65 & 5 \times \underline{\quad} = 85 \\ 5 \times \underline{\quad} = 95 & 5 \times 14 = \underline{\quad} & 5 \times \underline{\quad} = 80 & 5 \times \underline{\quad} = 90 \end{array}$$

2. Insert the sign “-” where needed to make the equality correct:

$$6\ 1\ 5\ 1\ 4\ 1\ 3\ 1 = 1$$



3. Solve the following equations and check your answers:

$$x \div 16 + 75 = 81$$

$$53 - x \times 7 = 39$$

4. Calculate (remember about an order of operations). Do NOT use a calculator.

$$80 - (56 + 39) \div 19 = \underline{\hspace{2cm}}$$

$$95 + (28 + 57) \div 17 = \underline{\hspace{2cm}}$$

5. Compare, using <, > and =

$$48 + 36 + 14 \dots 48 + (36 + 14)$$

$$73 - 17 + 29 \dots 73 - (17 + 29)$$

$$81 \div 9 \times 4 \dots 81 \times 4 \div 9$$

$$12 \div 6 \times 5 \dots 12 \times 5 \div 6$$

6.

Construct a set A, which is equal to the set D, and another set B which is not equal to the set D.

$$D = \{a; \text{heart}; 5\}$$

A = _____

B = _____

7.

How many elements are there in the set of:

- a) Days of a week _____
- b) Letters in the English alphabet _____
- c) Tails of a cat _____
- d) Noses Katya has _____
- e) Horses living on the Moon _____

8.

Find the correct notation for an empty set. Cross out all other notations.



9.

$$27 \div \square = 9$$

$$\square \div 3 = 7$$

$$\square \div 6 = 3$$

$$16 \div \square = 8$$

$$\square \div 2 = 8$$

$$\square \div 5 = 3$$

$$10 \div \square = 2$$

$$\square \div 2 = 6$$

$$\square \div 8 = 3$$

10.

Trace the shape without crossing any lines twice and without lifting your pencil. Can you always do it?

