

Homework 16.



1. Evaluate. Write only the answer, do all the calculations in your head.

$$0.3 \cdot 6; \quad 8 \cdot 0.5; \quad 0.1 \cdot 7; \quad 0.75 \cdot 10; \quad 2.5 \cdot 2; \quad 4 \cdot 1.2$$
$$0.4 \cdot 0.1; \quad 0.03 \cdot 10; \quad 4 \cdot 2.5; \quad 0.2 \cdot 5; \quad 1.3 \cdot 3; \quad 18 \cdot 0.1$$

2. Evaluate by the most convenient way:

$$a. 2 \cdot 3.8 \cdot 5; \quad b. 2.5 \cdot 0.061 \cdot 4; \quad c. 6.54 \cdot 0.25 \cdot 4;$$
$$d. 0.25 \cdot 0.2 \cdot 4 \cdot 5; \quad e. 13.7 \cdot 0.2 \cdot 5; \quad f. 1.5 \cdot 2.2 \cdot 2$$

3. Evaluate:

$$a. \frac{3.4 + 2.8}{0.2}; \quad b. \frac{1.2}{1 - 0.4}; \quad c. \frac{3 + 0.5}{3 - 0.5}; \quad d. \frac{4.5 - 2.71}{14.6 + 15.4} \quad e. \frac{0.04 \cdot 0.25}{0.9 - 0.88}$$

4. The box contains blue, red and green pencils, 20 pencils altogether. There are 6 times more blue pencils than greens, less reds than blues. How many red pencils are in the box?

5. Evaluate:

$$1. \quad 5:1\frac{1}{5} - \left(1:6 + 1\frac{5}{9} \cdot 2\right); \quad (\text{answer is } \frac{5}{9});$$

6. John had cookies; he ate some, then Mary came to visit him, and they shared the remaining cookies equally. It turned out that John ate five times more cookies than Mary. What share of all cookies did John eat by the time of Mary's parish?