

1. Calculate:

$9 + (-4) =$

$9 - (-4) =$

$-9 - (-4) =$

$-9 + (-4) =$

$6 + (-8) =$

$6 - (-8) =$

$-6 - (-8) =$

$-6 + (-8) =$

2. Remove parentheses:

a). $2(2x - 1 + 4b) =$ _____

b). $(x + 7 - 5w) \cdot 4 =$ _____

c). $7(3t - 5 + 4g) =$ _____

3. Simplify or calculate:

$1 \text{ cm} + 3 \text{ cm} + 5 \text{ cm} =$ _____

$x + 3x + 5x =$ _____

$3x + x + 9x - 12x =$ _____

$x - 2x =$ _____

$3x + 3 - x + 7 =$ _____

$3 + x + 2 - 4x =$ _____

$2y + 5 - y + 7 + 3y =$ _____

$4 + w + 7 - 4w =$ _____

Review of $\frac{1}{n}$ and $\frac{1}{n}$ of a number.

$\frac{1}{n} = 1 : n$

$\frac{1}{n}$ of x is $x : n$

4. $\frac{1}{8} =$

$\frac{1}{3} =$

$\frac{1}{11} =$

$\frac{1}{6} =$

$\frac{1}{4}$ of 36 is

$\frac{1}{3}$ of 60 is

$\frac{1}{4}$ of 12 is

5. Equivalent fractions:

$\frac{1}{8} = \frac{\quad}{16}$

$\frac{1}{3} = \frac{\quad}{12}$

$\frac{1}{7} = \frac{\quad}{28}$

$\frac{1}{5} = \frac{3}{\quad}$

$\frac{1}{9} = \frac{\quad}{27}$

$\frac{1}{4} = \frac{\quad}{12}$

$\frac{2}{56} = \frac{\quad}{28}$

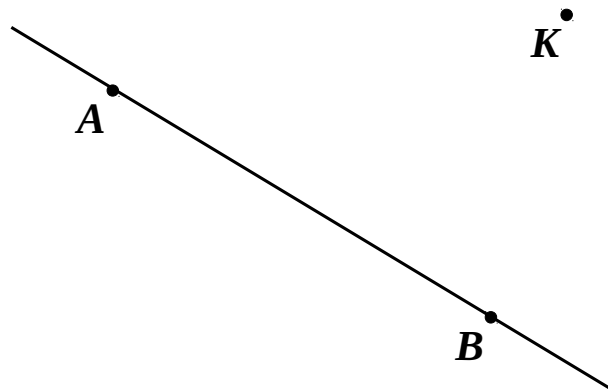
$\frac{1}{7} = \frac{5}{\quad}$

6. Plot triangle $\triangle ABC$ with the sides $|AC| = 5$ cm and $|BC| = 6$ cm. Record your algorithm.

A

B

7. Find all points on the straight line AB that are 6 m away from point K .



8. Solve equations in your **notebook**:

$$\frac{1}{8}x=2$$

$$\frac{1}{3}y=5$$

$$\frac{1}{6}w=6$$

$$2x = 1$$

$$5y = 1$$

$$7w = 1$$

Additional: simplify

$$(x + 1) \cdot 4 + 5 = \underline{\hspace{15em}}$$

$$(2y - 3) + 1 = \underline{\hspace{15em}}$$

$$(3x + 2) \cdot 2 + 5 = \underline{\hspace{15em}}$$