

Homework 9.



1. What number is

$$-(+5); \quad +(+5); \quad -(+5); \quad -(-(+5)); \quad -(-(-5)); \quad -(-(-(-5)))$$

2. Compare:

$$-4 \quad 4$$

$$6 \quad -4$$

$$\frac{2}{3} \quad -\frac{3}{2}$$

$$-4 \quad -2$$

$$-4 \quad 0$$

$$-\frac{2}{3} \quad -1$$

$$-4 \quad -6$$

$$-1 \quad -\frac{1}{2}$$

$$-2 \quad \frac{1}{2}$$

3. Evaluate:

$$3 + (-2);$$

$$3 + (+2);$$

$$-3 - (-2);$$

$$3 - (+2);$$

$$-3 + (-2);$$

$$-3 + (+2);$$

$$3 - (-2);$$

$$-3 - (+2);$$

$$-3 + (+3);$$

4. Compare without calculation.

a. $100 - (35 - 20)$ $100 - (35 + 20)$

b. $100 + (35 - 20)$ $100 + (35 + 20)$

c. $100 - (-35 - 20)$ $100 - (-35 + 20)$

d. $100 + (-35 - 20)$ $100 + (-35 + 20)$

5. Positive or negative number will be the product of
- Two negative and one positive numbers.
 - One negative and two positive numbers
 - Three negative numbers.
 - Three positive numbers.
6. 25 identical thick books or 45 identical thin books can fit on a bookshelf. Will there be enough space on a bookshelf for 20 thick and 9 thin books?
7. Numbers 100 and 90 are divided by the same number. In the case of 100, the remainder is 4, in the case of 90, the remainder is 18. What is the divisor?
8. What number should be placed instead of “?”



9. There are three short stories in a book. Paulina read the first story in $\frac{1}{3}$ of one hour. She spent $\frac{1}{6}$ of an hour more reading the second story than reading the first one. The third story she read in $\frac{7}{12}$ of an hour less than the two previous stories together. How much time did it take her to read this book?