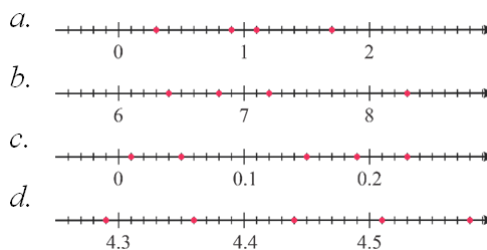


Math 4e. Homework 12.



1. Which numbers are marked on the number lines:



2. Evaluate:

a.  $1.2 + 2.3 + 3.4 + 4.5 + 5.6 + 6.7 + 7.8;$

b.  $2.3 + 3.4 + 4.5 - 5.6 + 6.7 + 7.8 + 8.5 + 9.2;$

c.  $1.7 + 3.3 + 7.72 + 3.28 + 1.11 + 8.89;$

d.  $18.8 + 19 + 12.2 + 11.4 + 0.6 + 11;$

3. On a graph paper draw a number line, use 10 squares as a unit. Mark points with coordinates 0.1, 0.5, 0.7, 1.2, 1.3, 1.9.

4. Write the numbers in an extended form;

Example:

$$312.23 = 100 \cdot 3 + 10 \cdot 1 + 1 \cdot 2 + \frac{1}{10} \cdot 2 + \frac{1}{100} \cdot 3$$

34.2;      231.51;      76.243;      25.34;      0.23;      0.0023

5. What digit can be placed instead of asterisks, so the expressions are true?

a.  $0.488 < 0.4 * 8;$       b.  $1 * 93 < 11.93;$       c.  $3.07 < 3.0 *;$       d.  $6.* 9 < 6.38$

6. Without performing calculations, for each expression from the first row, find the corresponding equal expression from the second row and write the corresponding equalities.

Example:

$$0.125 + \frac{1}{4} = \frac{1}{8} + 0.25$$

$\frac{3}{4} - 0.5;$

$\frac{1}{4} - 0.2;$

$\frac{1}{2} - 0.125$

$0.5 - \frac{1}{8};$

$0.75 - \frac{1}{2};$

$0.25 - \frac{1}{5};$

7. The farmer brought a basket of apples to the market. To the first customer, he sold half of all his apples and half an apple more, to the second customer - half of the remainder and half an apple more, to the third - half of the remainder and half an apple more, and so on. However, when the sixth customer came and bought half of the remaining apples and half an apple, it turned out that, like the other buyers, all his apples were whole, and the farmer sold all his apples. How many apples did he bring to the market?