

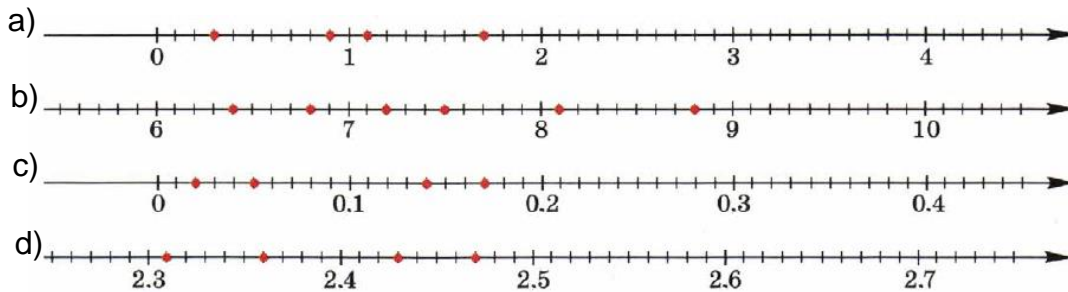
1. Write in decimal notation the following fractions:

Example:

$$1\frac{3}{25} = 1 + \frac{3}{25} = 1 + \frac{3 \cdot 4}{25 \cdot 4} = 1 + \frac{12}{100} = 1.12$$

$$1\frac{1}{10}; \quad 2\frac{4}{10}; \quad 4\frac{9}{10}; \quad 24\frac{25}{100}; \quad 98\frac{3}{100}; \quad 1\frac{1}{100}; \quad 4\frac{333}{1000}; \quad 8\frac{45}{1000}; \quad 75\frac{8}{10000}; \quad 9\frac{565}{10000}$$

2. Which numbers are marked on the number lines below:



3.

4. 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.

5. Evaluate by the most convenient way:

Example:

$$2.6 + 3.72 - 1.6 + 2.28 = 2.6 - 1.6 + 3.72 + 2.28 = 1 + 6 = 7$$

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

6. Write decimals as fractions and evaluate the following expressions:

a. $\frac{2}{3} + 0.5;$

b. $\frac{1}{3} \cdot 0.9;$

c. $\frac{3}{16} \cdot 0.16$

d. $0.6 - \frac{2}{5}$

e. $0.4 : \frac{2}{7};$

f. $\frac{9}{20} : 0.03$

7. An apple worm was eating an apple. On the first day, it ate half of the apple; on the second day, it ate half of the remaining part, and on the third day, it ate half of the remaining part again. On the fourth day, it ate all the leftovers. What part of the apple did it eat on the fourth day?



8. Compare, if possible (a and b can be positive or negative):

Example:

$$|7 + 8| = |15| = 15, \quad |7| + |8| = 7 + 8 = 15, \quad |7 - 8| = |7| + |8|$$

$$|7 + 3| \quad |7| + |3|$$

$$|7 - 3| \quad |7| - |3|$$

$$|7 - 3| \quad |3 - 7|$$

$$|3 - 7| \quad |3| - |7|$$

$$|a - b| \quad |b - a|$$

$$|7 - 3| \quad |7| + |3|$$

$$|3a| \quad 3 \cdot |a|$$

$$|a + b| \quad |a| + |b|$$

$$|b \cdot a| \quad b \cdot |a|$$