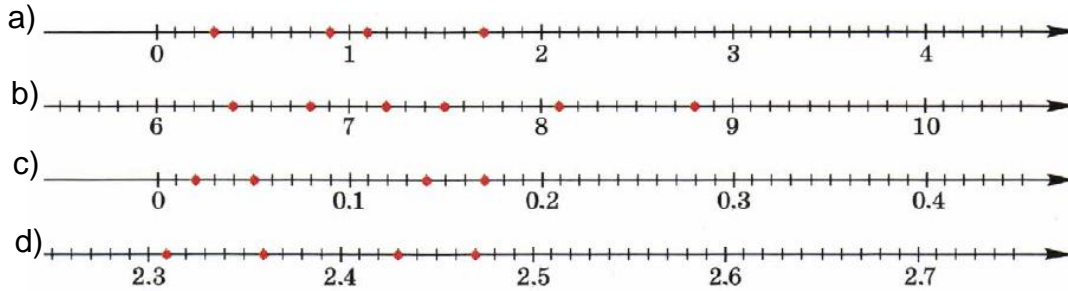


1. Which numbers are marked on the number lines below:



2. Evaluate (try to do it by convenient way) :

- 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 decimals as fractions and evaluate the following expressions:

Example:

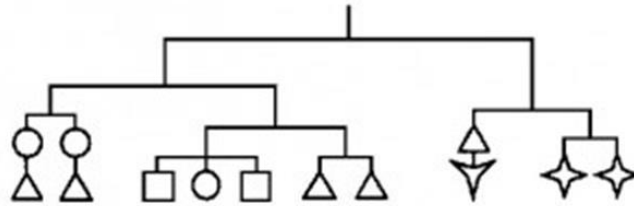
$$\frac{1}{3} + 0.12 = \frac{1}{3} + \frac{12}{100} = \frac{1}{3} + \frac{3}{25} = \frac{25}{75} + \frac{9}{75} = \frac{34}{75}$$

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

5. Evaluate:

- a. $25 - 30$;
- b. $25 + (-30)$;
- c. $25 - (-30)$;
- d. $25 - (+30)$;
- e. $25 + 30$;

6. On the picture below, every arm of the balance is in equilibrium. (The horizontal bars are suspended at their midpoints.) Identical shapes have identical masses. The mass of the square is 1 kg. What are the masses of the other shapes?



7. Draw a square with side 5 cm. Use ruler!
8. Draw a triangle with one angle equal to 40° and sides on the sides of the angle 5 cm and 7 cm.
9. Which part of 1 m is 1 cm?
 Which part of 1 km is 1 m?
 Which part of 1 cm is 1 mm?
 Which part of 1 m is 1 dm?
 Which part of 1 kg is 1 g?
 Which part of 1 g is 1 mg?

Example: 1 cm. = 0.01 m,

(Hint: kilo- means $\times 1000$, 1 kilometer = 1000 meters.

milli- means $\div 1000$, 1 millimeter = $\frac{1}{1000}$ (0.001) meter

centi- means $\div 100$,

deci- means $\div 10$)

10. 1 kilogram of candies costs 16 dollars. How much

- a. 0.5 kg will cost?
- b. 1.2 kg will cost?
- c. 0.75 kg will cost?
- d. 0.4 kg will cost?
- e. 2.5 kg will cost?

11. Fill the tables.

b	c	b + c
$\frac{1}{10}$	$\frac{2}{5}$	
$\frac{1}{3}$		$\frac{1}{2}$
	$\frac{1}{5}$	$\frac{1}{4}$

b	c	b - c
$\frac{1}{2}$	$\frac{1}{7}$	
$\frac{5}{8}$		$\frac{1}{4}$
	$\frac{1}{5}$	$\frac{1}{2}$

12. Fill up the empty places for the equality to hold (distributive property)

a. $10 + \square \cdot x = 5 \cdot (\square + x)$

b. $20a + \square = \square \cdot (4a + 1)$

c. $320a + 250b = \square \cdot (32a + \square)$

d. $ab + bc = \square \cdot (a + \square)$