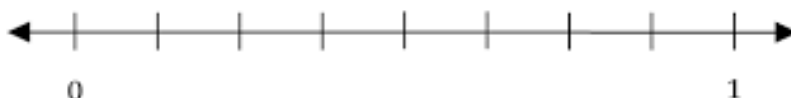


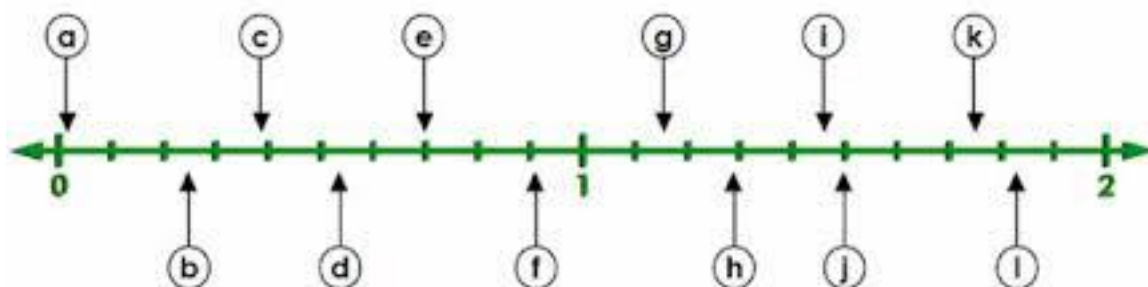
1. Write the letter that represents where each fraction would go on the number line:

$$\frac{1}{2}; \quad \frac{1}{4}; \quad \frac{4}{4};$$

$$\frac{3}{8}; \quad \frac{5}{8}; \quad \frac{8}{8}.$$



2. Write down the fractions corresponding to each letter:



a –            b –            c –            d –            e –            f –  
g –            h –            i –            j –            k –            l –

3. Long division:

$$486 \div 27 =$$

$$2,916 \div 27 =$$

$$2,403 \div 27 =$$

## Homework 25

4.

Find all the pairs that total 1 and connect those fractions by line.

$$\frac{1}{2}$$

$$\frac{3}{4}$$

$$\frac{4}{8}$$

$$\frac{10}{12}$$

$$\frac{1}{3}$$

$$\frac{6}{9}$$

$$\frac{2}{8}$$

$$\frac{4}{10}$$

$$\frac{3}{5}$$

$$\frac{4}{5}$$

$$\frac{1}{6}$$

$$\frac{2}{10}$$

5.

Insert the missing fraction:

a)  $\underline{\hspace{1cm}} + \frac{1}{3} = 1\frac{2}{3}$

b)  $\frac{2}{3} + \underline{\hspace{1cm}} = 2\frac{1}{3}$

c)  $\frac{5}{8} + \underline{\hspace{1cm}} = 3\frac{3}{8}$

d)  $\underline{\hspace{1cm}} + \frac{9}{10} = 8\frac{9}{10}$

e)  $\underline{\hspace{1cm}} - \frac{2}{8} = 2\frac{3}{8}$

f)  $\underline{\hspace{1cm}} - \frac{4}{5} = 6\frac{1}{5}$

g)  $3\frac{11}{12} - \underline{\hspace{1cm}} = \frac{5}{12}$

h)  $5\frac{4}{7} - \underline{\hspace{1cm}} = \frac{2}{7}$

6.

Find:

a)  $\frac{1}{3}$  of 60

$\frac{1}{3}$  of 90

$\frac{1}{3}$  of 1,200

b)  $\frac{1}{7}$  of 63

$\frac{2}{7}$  of 63

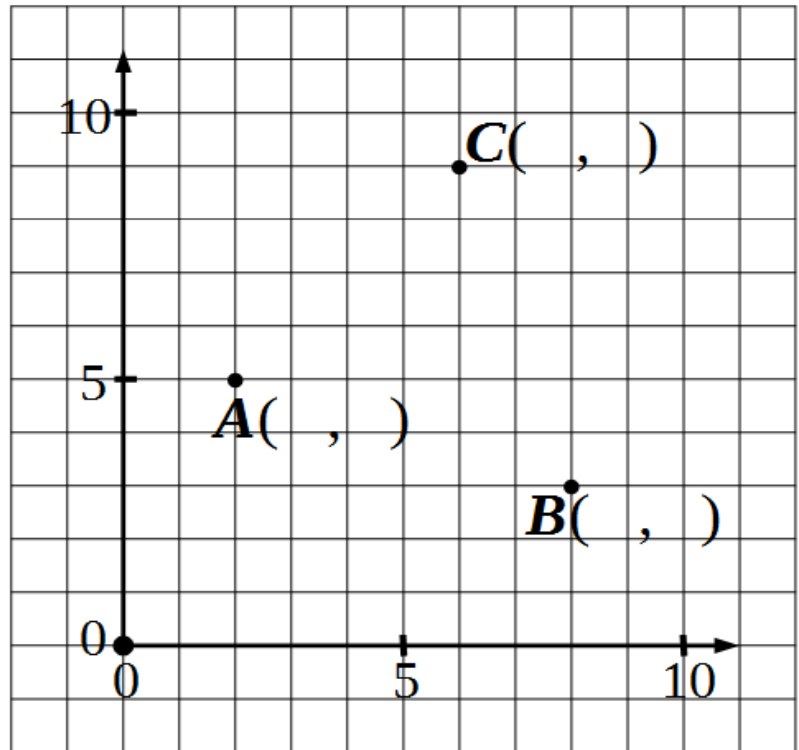
$\frac{3}{7}$  of 63

7.

Find coordinates of the points A, B and C

 $A( \quad , \quad )$  $B( \quad , \quad )$  $C( \quad , \quad )$ 

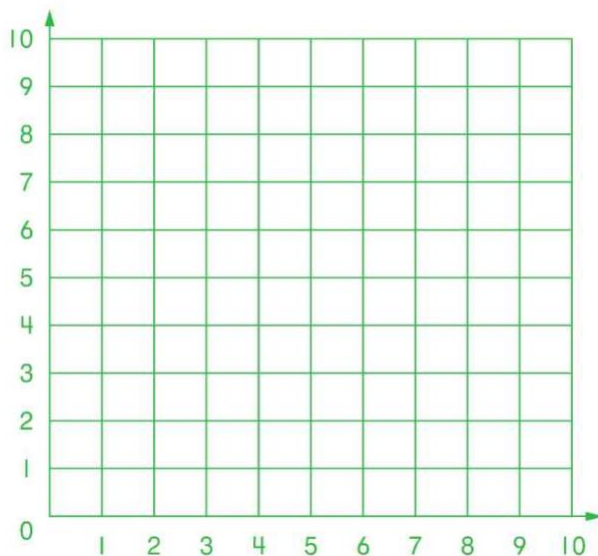
Plot points

 $D(3, 2)$  $E(11, 5)$  $F(4, 12)$  $G(7, 5)$ 

8.

Mark the Axis X and Axis Y. Remember X is horizontal, Y is vertical.

On the coordinate plane mark the points with the following coordinates:

 $A(1, 2)$  $B(2, 2)$  $C(3, 4)$  $D(6, 7)$ 

9.

Compare without calculation, using  $<$ ,  $>$  or  $=$ .

$$(14 + 21) + (21 + 14) \dots (14 + 21) \times 3$$

$$37 + 24 + 24 + 37 \dots (37 + 24) \times 2$$

$$(34 + 19) - (37 - 37) \dots 0$$

$$(28 + 22) \div (150 - 100) \dots 0$$

$$(a + b) - (a + b) \dots 1$$

$$2(a + b + c) \dots 2a + b + c$$

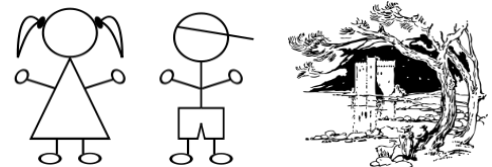
10.

A hotel has 5 types of rooms depending on the number of beds. The rooms shown on the map are labeled accordingly. Figure out in which rooms Victoria and Julia are staying? Make a copy of the map and use pencil to find the options.

You know that:

- Neither of their rooms is located next the number 3: not to the left, not to the right, not above, not below.
- Both of their rooms are located either to the right or to the left of both the numbers 4 and 1.
- Both of their rooms are located nearby (to the right or left or above or below) of both the numbers 1 and 5.
- Victoria's room is to the left of Julia's room.

3	2	1	1	4	3	3	5
5	3	4	1	4	3	3	4
1	2	5	4	1	4	1	3
3	2	1	4	1	3	5	4
5	2	2	1	4	3	3	2
4	5	1	4	2	4	5	5
4	2	1	2	4	3	1	3
4	4	1	5	1	3	1	3



11.

OPEN parenthesis, regroup and SIMPLIFY.

*Example:*  $a - (2b - c) - (3d - c - b - 5a) = a - 2b + c - 3d + c + b + 5a =$   
 $= a + 5a - 2b + b + c + c - 3d = 6a - b + 2c - 3d$

$$4(5a + 4b) - 2(a - 3c + 5b - 6b) = \underline{\hspace{10cm}}$$

$$\underline{\hspace{10cm}}$$

$$3x - (y + z - x - 3z + 4y) = \underline{\hspace{10cm}}$$

$$\underline{\hspace{10cm}}$$