

4.

Homework 25

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

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

c) $\frac{5}{8} + \underline{\hspace{2cm}} = 3\frac{3}{8}$

d) $\underline{\hspace{2cm}} + \frac{9}{10} = 8\frac{9}{10}$

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

f) $\underline{\hspace{2cm}} - \frac{4}{5} = 6\frac{1}{5}$

g) $3\frac{11}{12} - \underline{\hspace{2cm}} = \frac{5}{12}$

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

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

$A(\quad , \quad)$

$B(\quad , \quad)$

$C(\quad , \quad)$

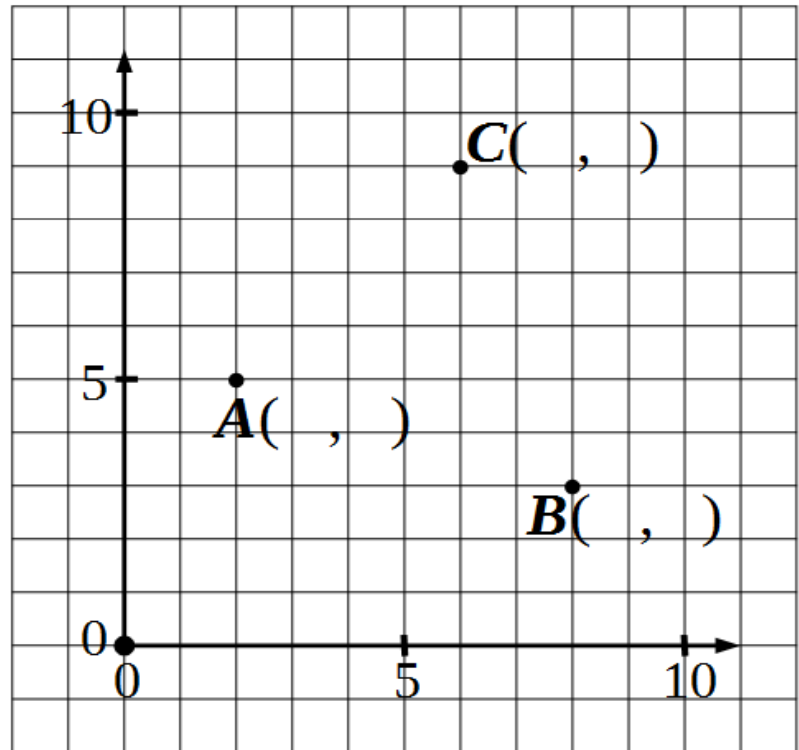
Plot points

$D(3, 2)$

$E(11, 5)$

$F(4, 12)$

$G(7, 5)$



8.

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

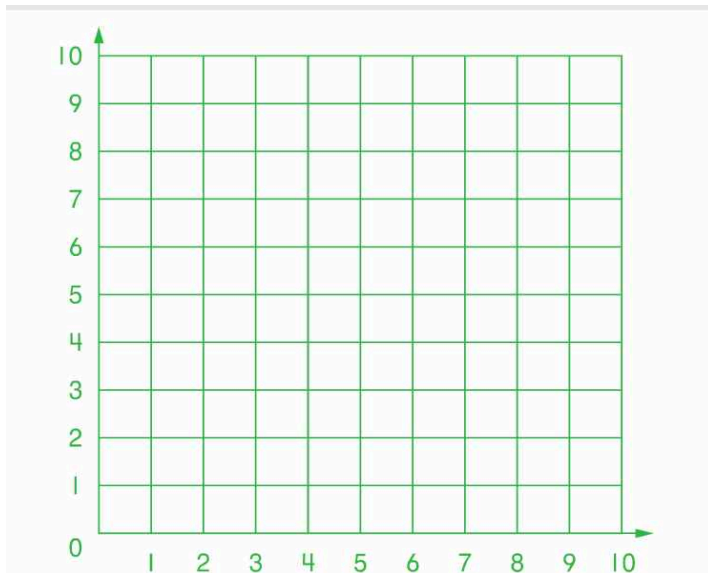
On the coordinate plane mark the points with the following coordinates:

A (1, 2)

B (2, 2)

C (3, 4)

D (6, 7)



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9.

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

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

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

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

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

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

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

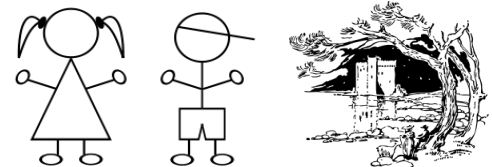
10.

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

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

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