

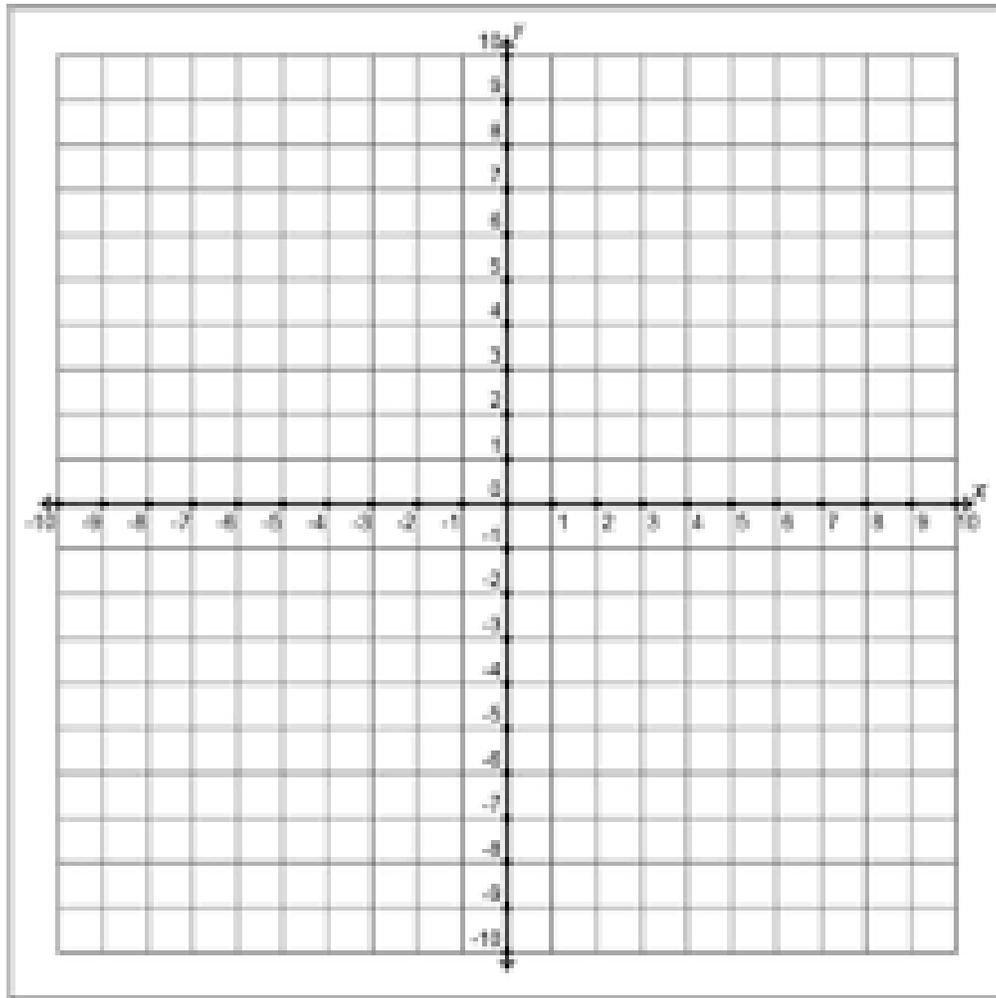
- 4** On the coordinate plane below, mark the points with the following coordinates and connect them. Color the quadrilateral you get with any color.

A (0, -2)

B (0, 4)

C (7, -2)

D (7, 4)



- 5** Insert the missing fraction:

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

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

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

6

Write down the mathematical expressions to solve the problems:

a) There are a total of 35 oranges packed in the 5 identical bags.

- How many oranges are in **one** bag? _____
- How many oranges will be in 10 such bags? _____

b) There are x oranges packed in 6 identical bags.

- How many oranges are in **one** bag? _____
- How many oranges will be in 7 such bags? _____

c) There are **20** oranges packed in y identical bags.

- How many oranges are in **one** bag? _____
- How many oranges will be in **w** such bags? _____

d) A snail moves along the cable 9 meters a day.

- How much will it move in 12 days? _____
- How many days will it take the snail to move 279 meters? _____

7

Calculate using the correct order of operations:

a) $9 + 5 \div (8 - 3) \times 2 =$ _____

b) $14 + 3(4 - 6 \div 3) =$ _____

8

Open parenthesis and simplify where possible:

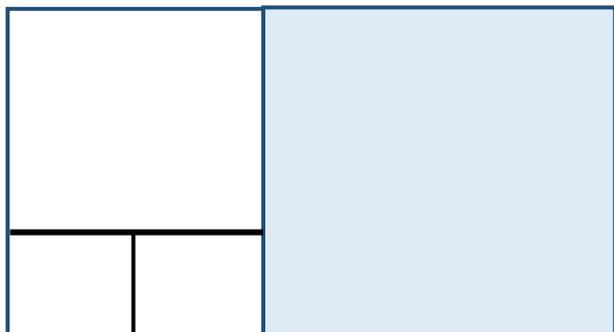
a) $6(3 + a) - (a + b - c) =$ _____

b) $3(c + d) + (d - c) =$ _____

c) $25 - 5(w + v - z - y) =$ _____

9

The rectangle below is divided into 4 squares. Find a perimeter and an area of the big rectangle, if the side of the shaded square is 6cm . Don't forget the units of measurements.



P = _____

A = _____

10

Solve equations, make sure you check your results!

$23 + y = 34$

$x - 63 = 127$

$35 + z \times 5 = 60$

$y =$ _____

$x =$ _____

$y =$ _____

$x =$ _____

Check: _____

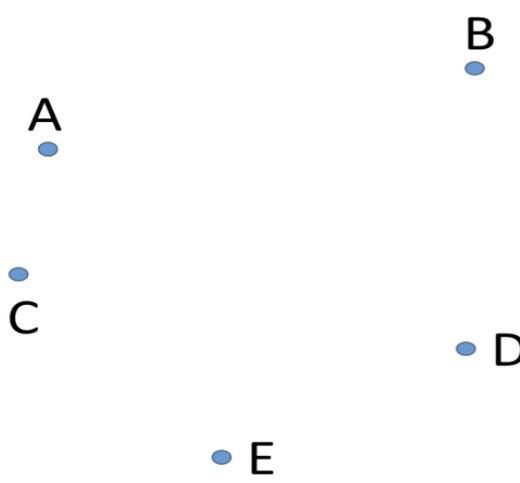
Check: _____

Check: _____

11

a) Use a ruler and draw:

- Draw a straight line \overleftrightarrow{AD} .
- Draw a line segment \overline{CB} .
- Label the intersection K .
- Draw a ray \overrightarrow{KE}



b) Make a right-angle template.

Using a template check:

- Is angle $\angle CKE$ obtuse? (YES, NO)

- Is angle $\angle CKB$ acute? (YES, NO)

c) Use protractor to measure angles:

$\angle BKD =$ _____

$\angle AKE =$ _____

BONUS PROBLEMS

Do them only if you have time after you finished and checked all the problems on the previous pages!

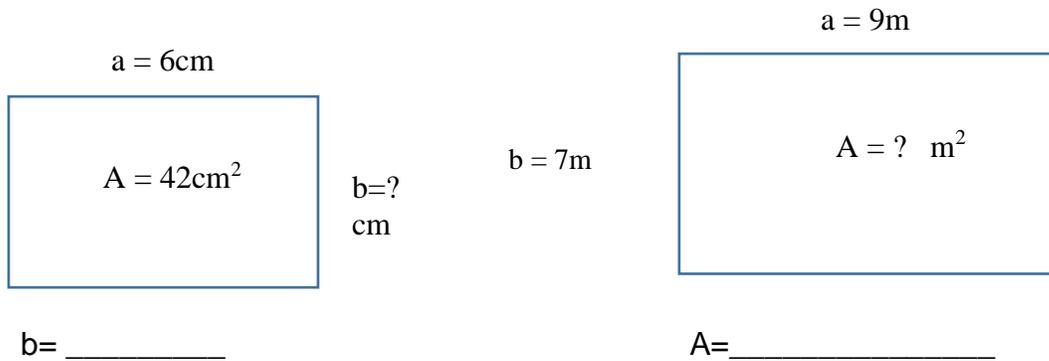
12*

How can you simplify the following? Remember the orders of operations!

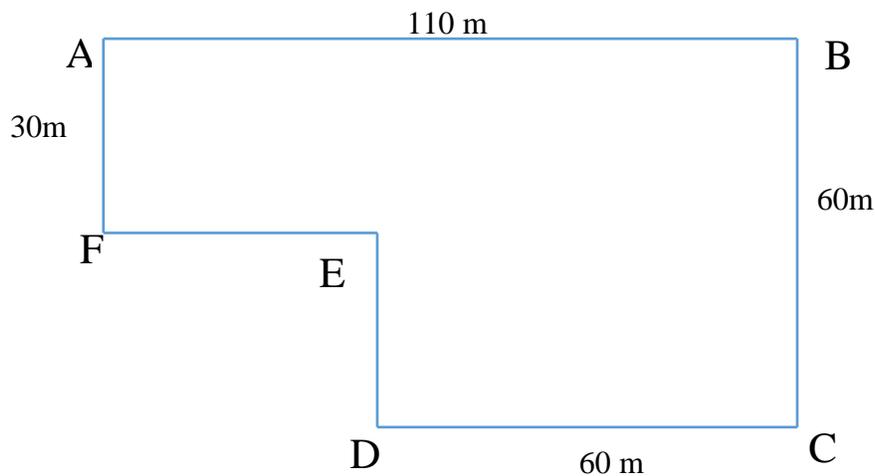
- 1) $6(3 + a) + 90 \div 10 + a =$ _____
- 2) $4 \times 7 + 2(4 - a) =$ _____
- 3) $10a + 2(a + b) + 20(b - a) =$ _____
- 4) $35 - 3(10 - z) + (z - 5) =$ _____

13*

Find area or side of the rectangle.

**14***

Find the perimeter and the area of the following figure, if you know some of the sides:



P= _____

A= _____