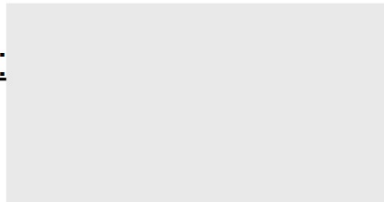# 13.12.21

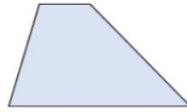| LO: Reading and writing coordinates |
| --- |
| I can identify the x axis, y axis and origin |
| I know to read along the corridor and up or down the stairs |
| I understand how to use other coordinates to find missing values of other points |

Teacher note:

1) What 3D shape will this net make?

2) Draw an irregular pentagon.

3) What fraction of a full turn is 45°?

4) Work out the perimeter of the compound shape.

4cm
9cm
5cm
12cm

MMXII
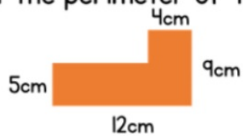
1) There are 6 sweets in $\frac{1}{2}$ of a bag.

How many sweets are there in a full bag?

2) $\boxed{} = \frac{3}{4} \div 2$

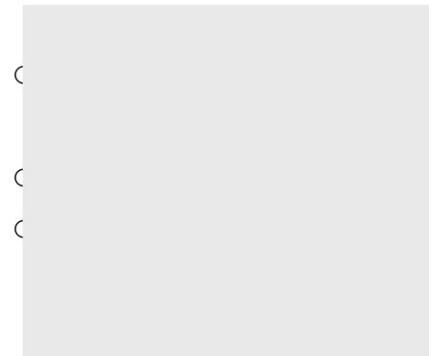3) $2\frac{1}{3} - \frac{2}{3}$

4) $0.26 + 1.06$

White Rose Maths

1) Find the origin on
   the graph.

10
9
8
7
6
5
4
3
2
1
0   1 2 3 4 5 6 7 8 9 10

2) Label the x- and y-
   axis on the graph.

What are the rules for
reading and writing
coordinates?
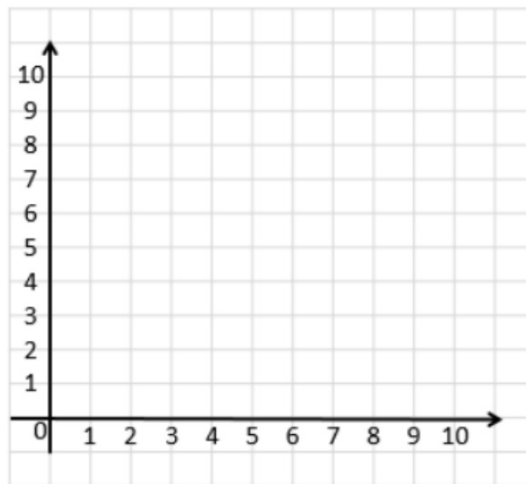
3) Which number represents the y-coordinate in
the coordinate pair (5 , 7)?

Label 1st, 2nd, 3rd and 4th quadrant

The First quadrant

qua

quad
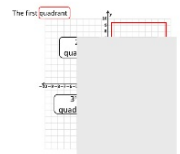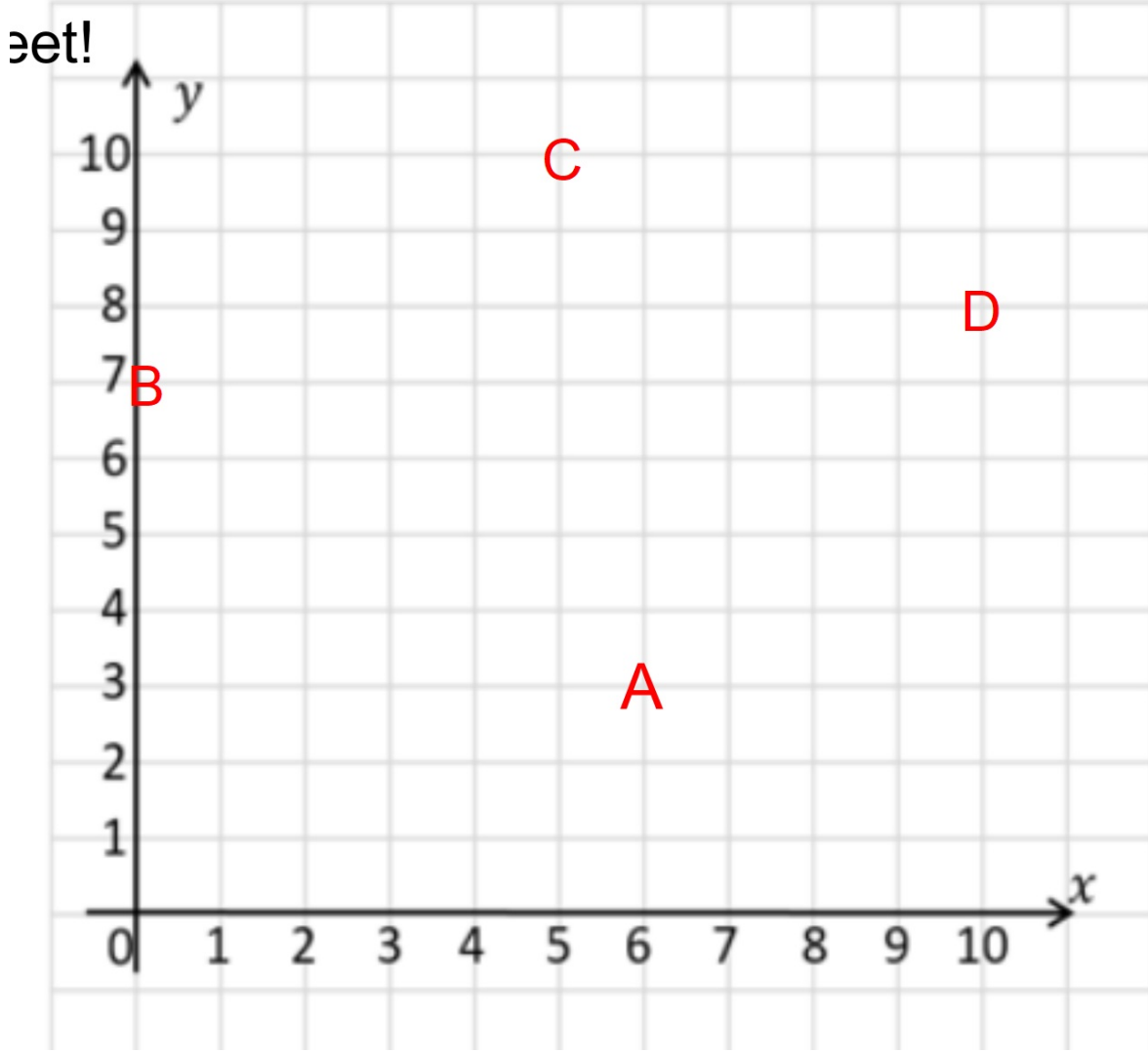
Write the coo
for the letters

Help me plot
points at (4,6)
and (5, 0)

year 5
start tas
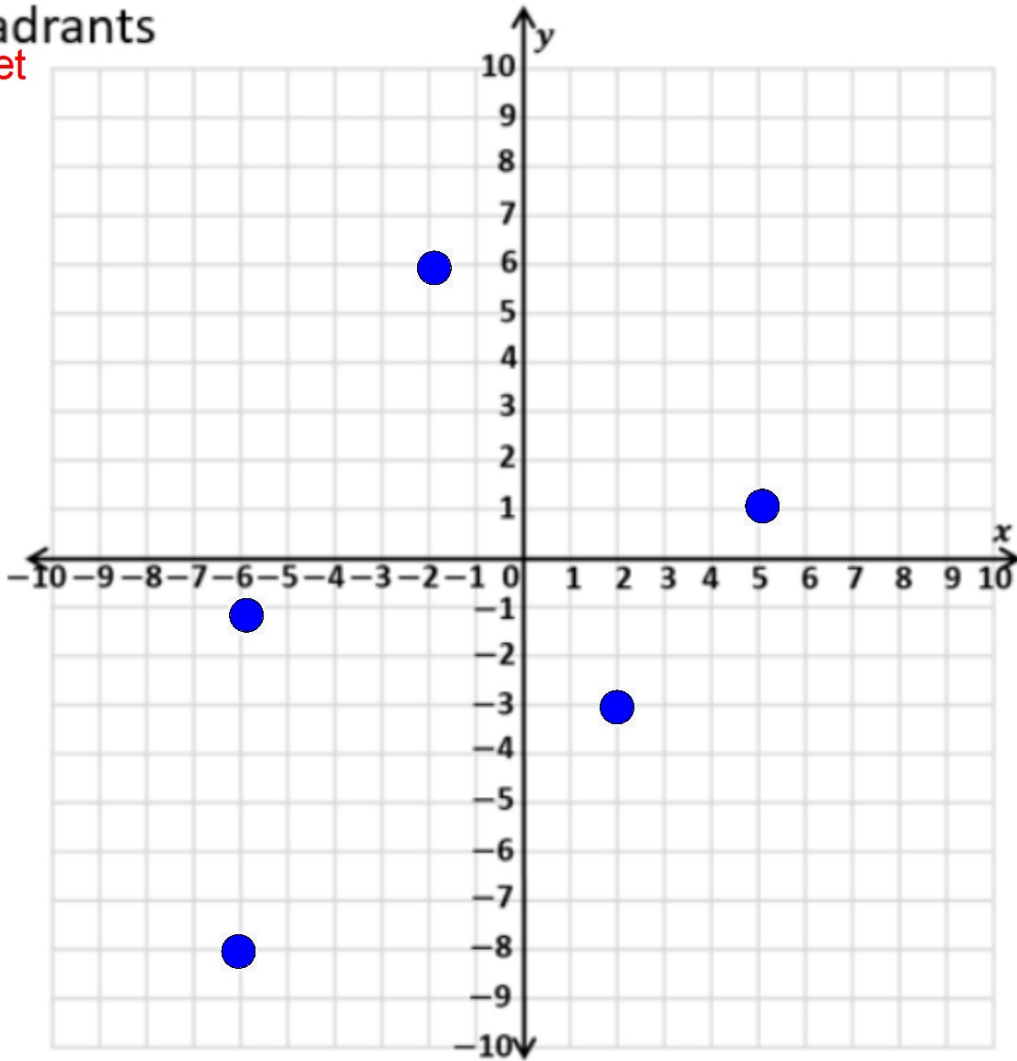
adrants

sheet

I think we can work out the coordinates of the red point...
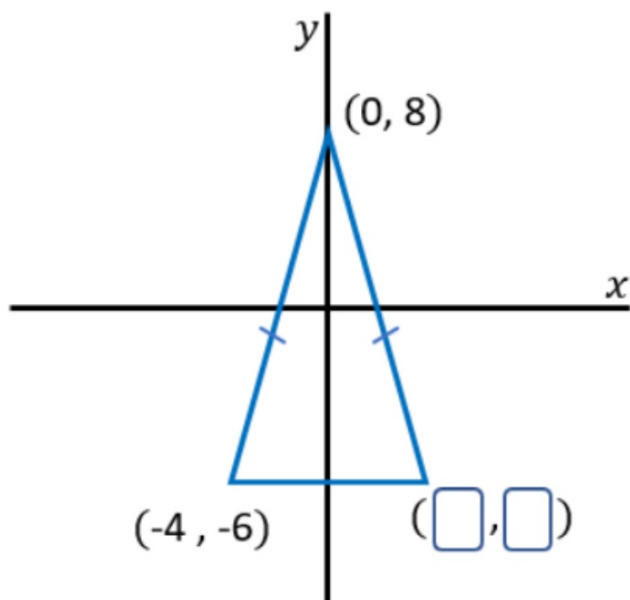
Have a think ⏸

y

(12,10)

(4,6)

(☐ , ☐)

x
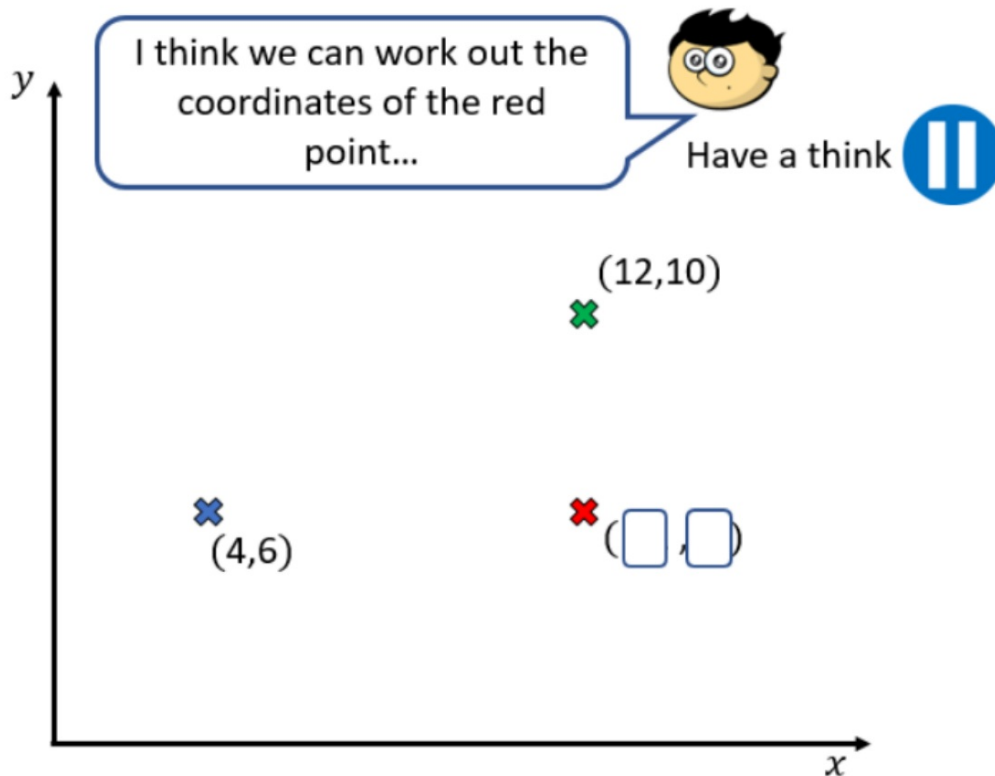
The 3 points form 3 vertices of a rectangle.
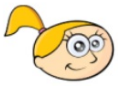What are the coordinates of the missing vertex?

y

An isosceles triangle is drawn on the axis.

What are the missing coordinates of the vertex?

Year 6 extension

Eva is drawing a trapezium.
She wants her final shape to look like this:

Eva uses the coordinates (2, 4), (4, 5), (1, 6) and (5, 6).
Will she draw the shape that she wants to?
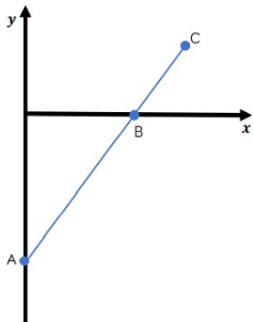If not, can you correct her coordinates?
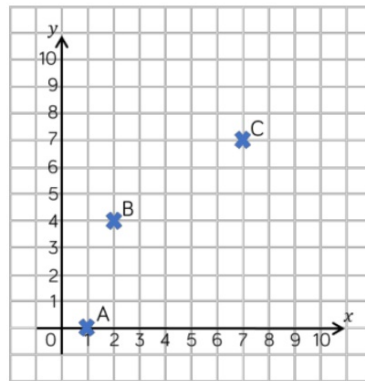
A is the point (0, – 10)
B is the point (8, 0)
The distance from A to B is two thirds of the distance from A to C.
Find the coordinates of C.

Year 5 extension

Which clue matches which coordinate?

Clue 1 — My x coordinate is half of my y coordinate.

Clue 2 — My y coordinate is less than my x coordinate.

Clue 3 — Both my coordinates are prime numbers.