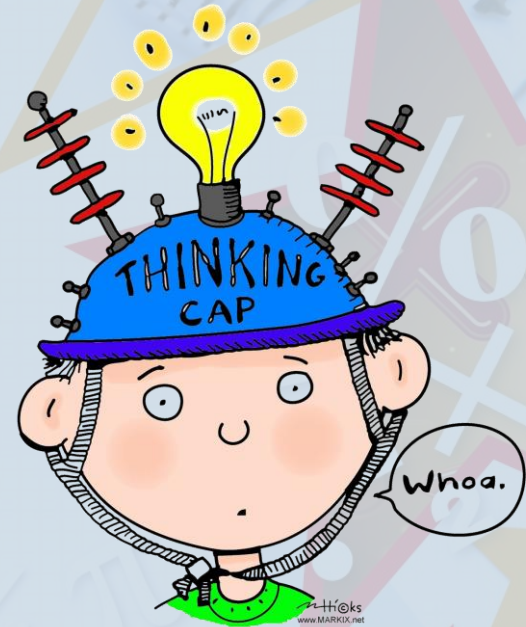


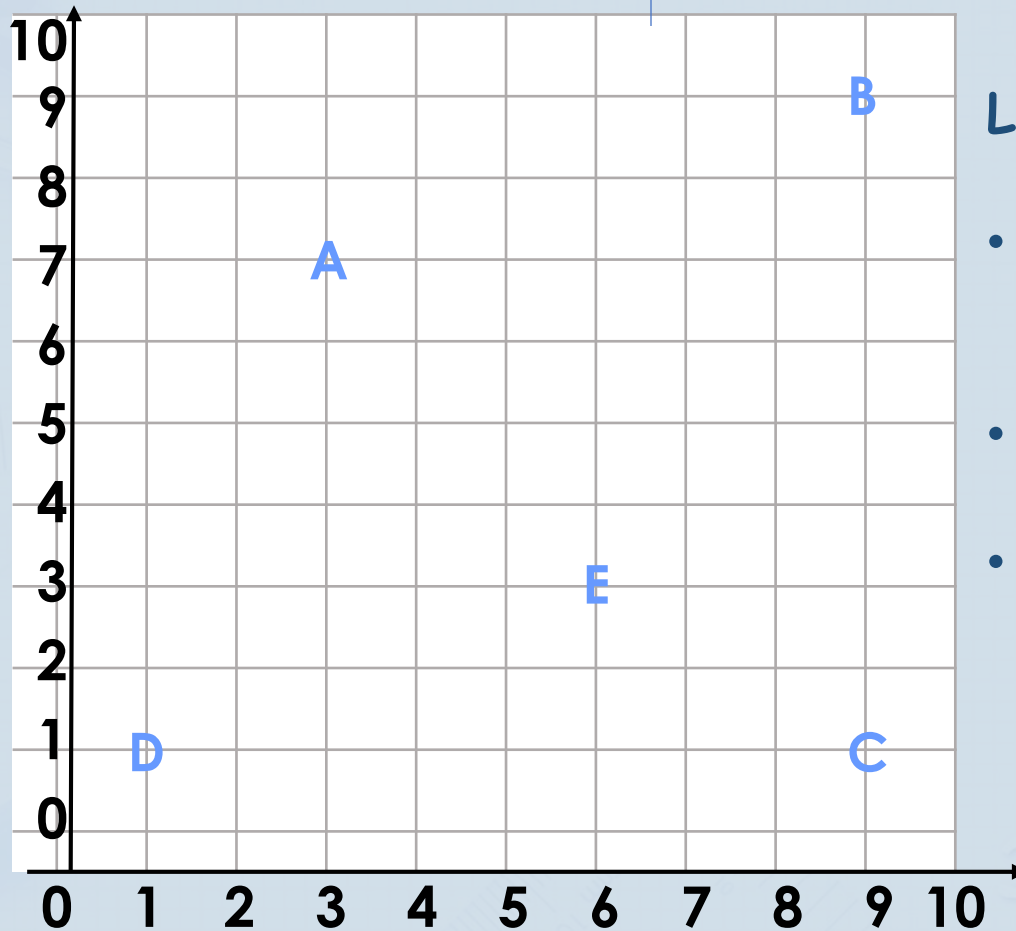
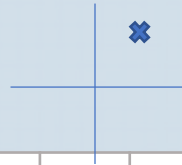
WALT position in the first quadrant.

WILF:

- *Understand what co-ordinates are and how to read them.*
- *Identify the x and y axis.*
- *Understand what quadrants are*
- *Understand what a point is.*



This is one quadrant of a graph. As your graph knowledge progresses in Year 6, there will be 4 quadrants - hence the quad. However, for this year, we'll just focus on one. 😊



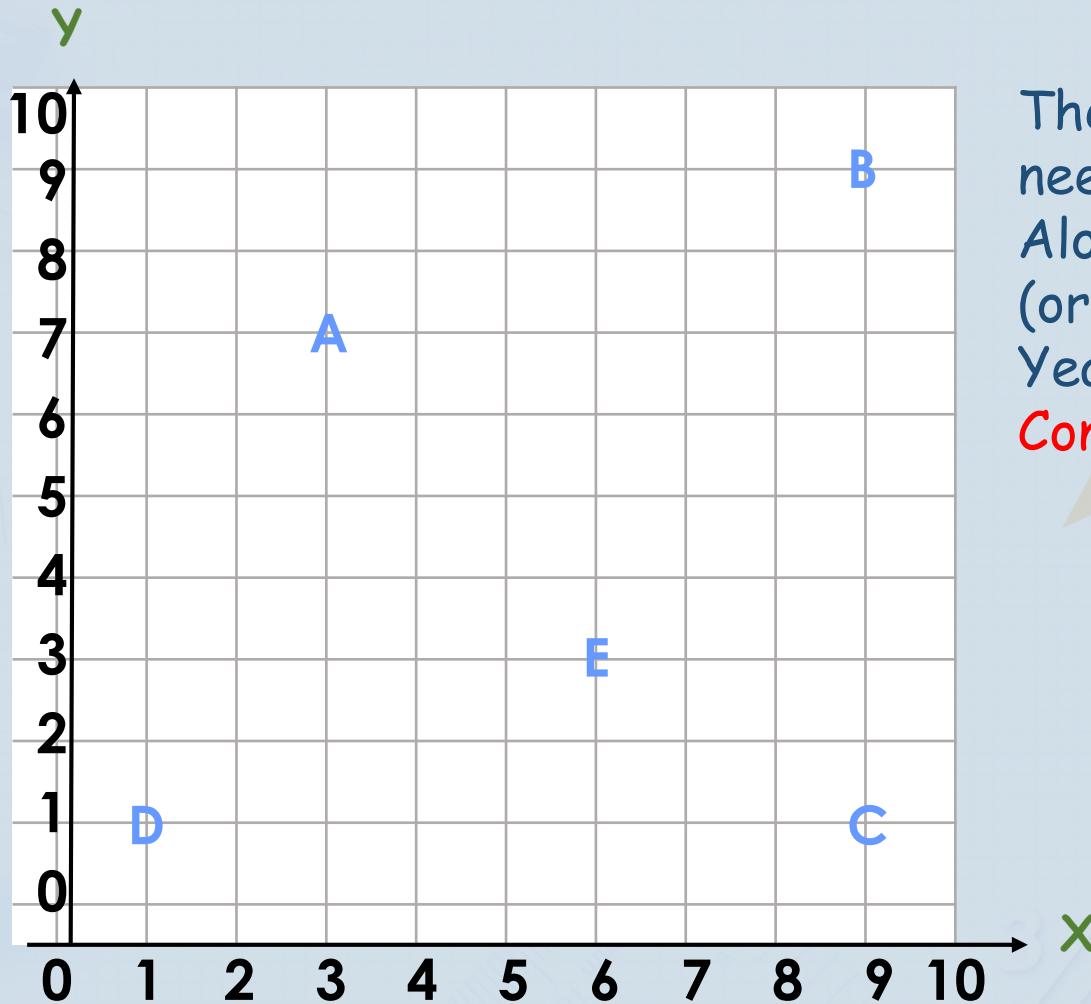
Look at this graph.

- Which is the x axis and which is the y axis?
- What is a co-ordinate?
- Does it matter which way round you write the numbers?

The X axis is horizontal. The Y axis is vertical (Y to the sky!)

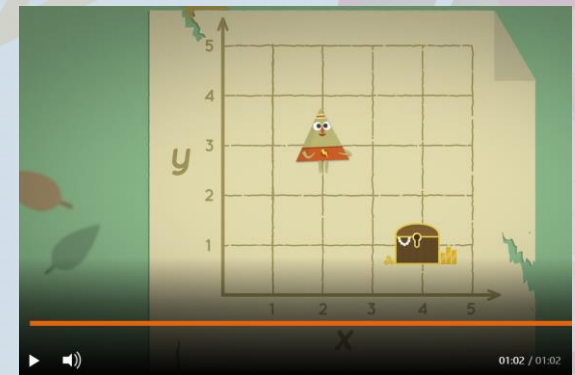
A co-ordinate tells us where we need to go find the point $\rightarrow (9,1)$

The X axis is always the first co-ordinate (on the left), the y axis is on the right.



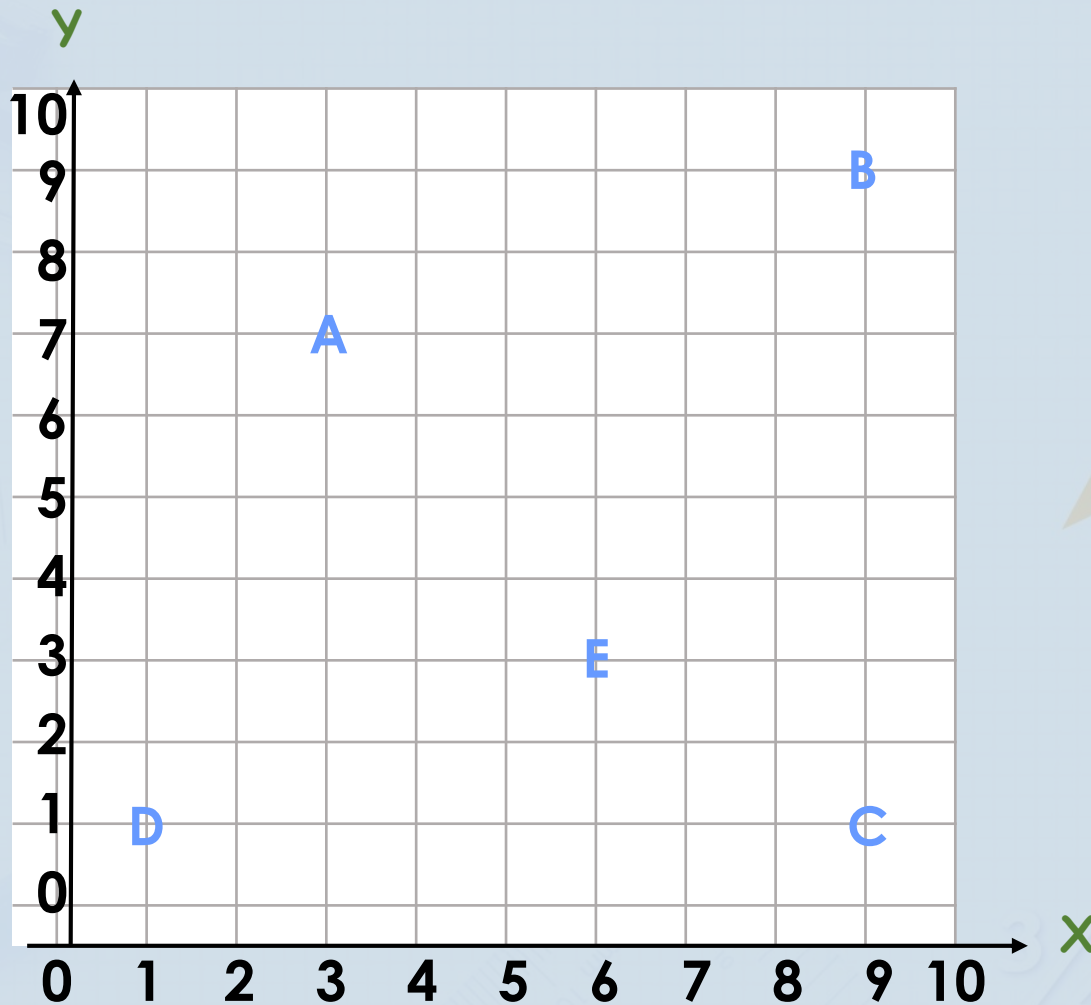
The co-ordinates always need to go in that order. Along the x and up the y. (or down, when you get to Year 6!)

Confused? Watch this:

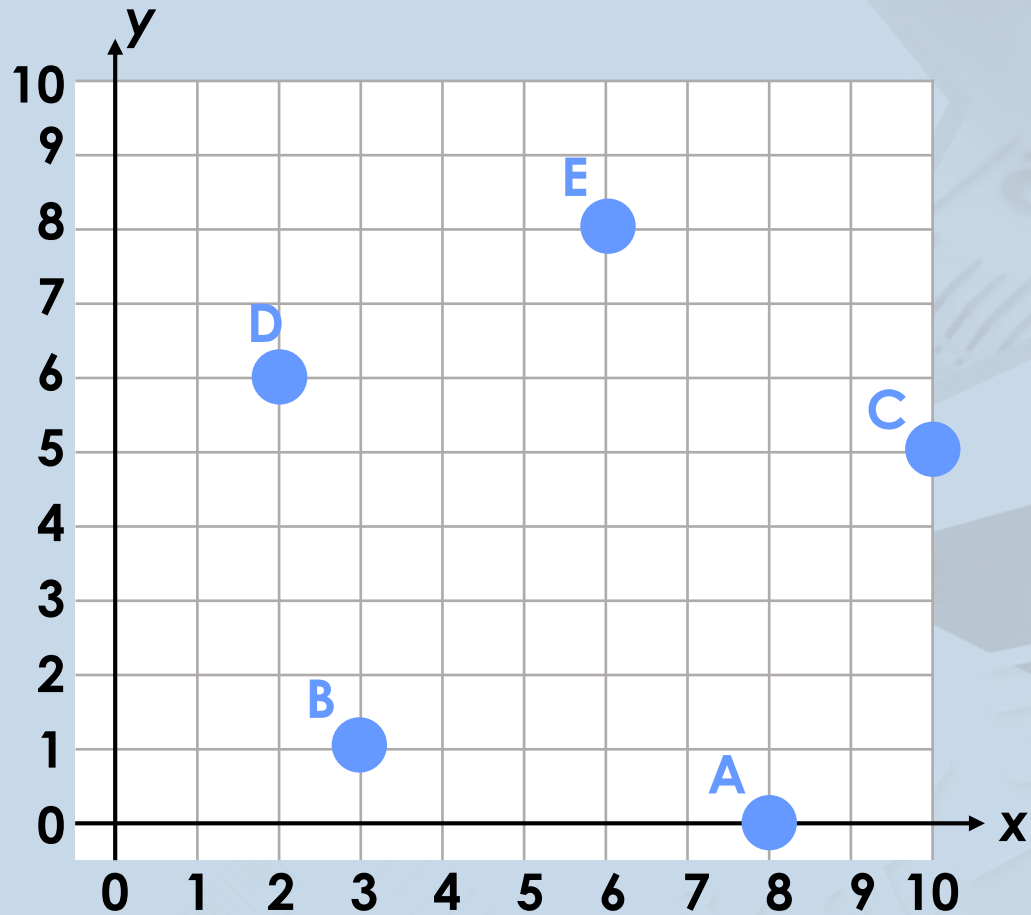


Can you find the co-ordinates for A?

A is (3,7) - go along the X axis until you are on the same line as A.
Then, travel up to A, and along to the Y axis to find the second number.



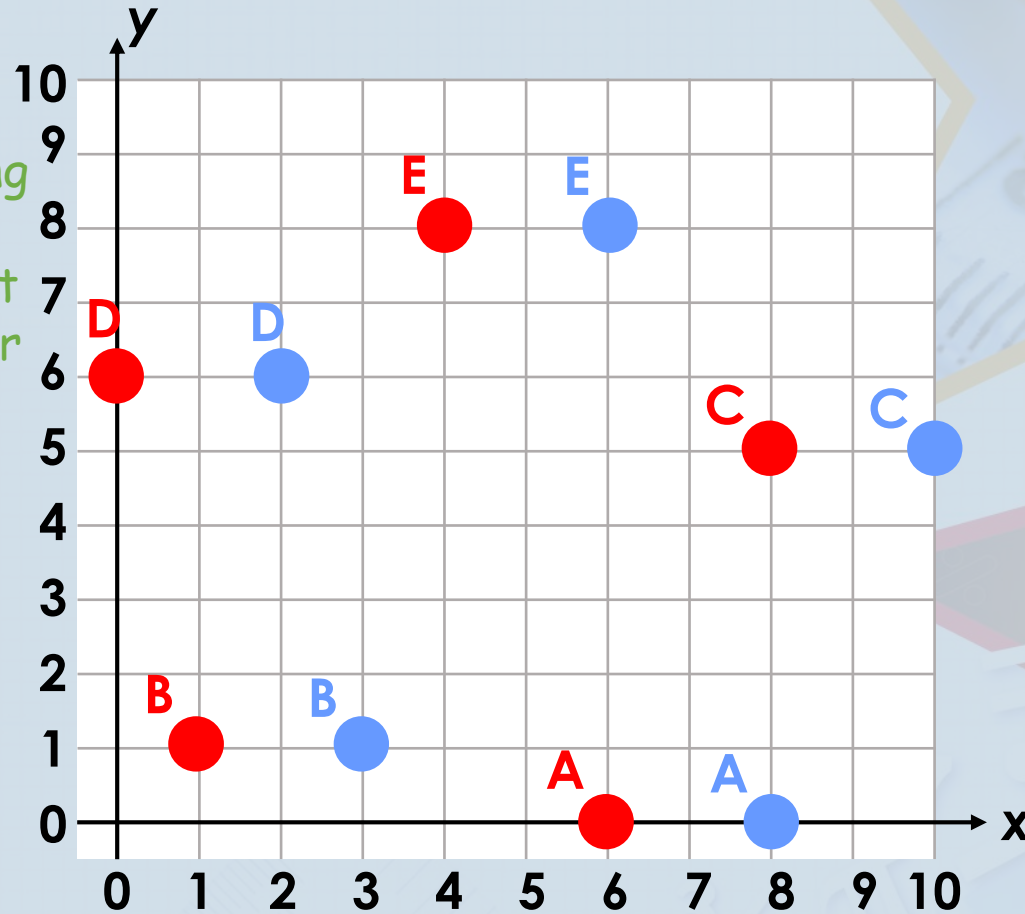
Each point moves two squares left.
Write the new coordinates of each point.



Answers

Each point moves two squares left.
Write the new coordinates of each point.

Start at the existing point, count two squares directly left (line to line, use your finger if it helps).



A (6, 0)

B (1, 1)

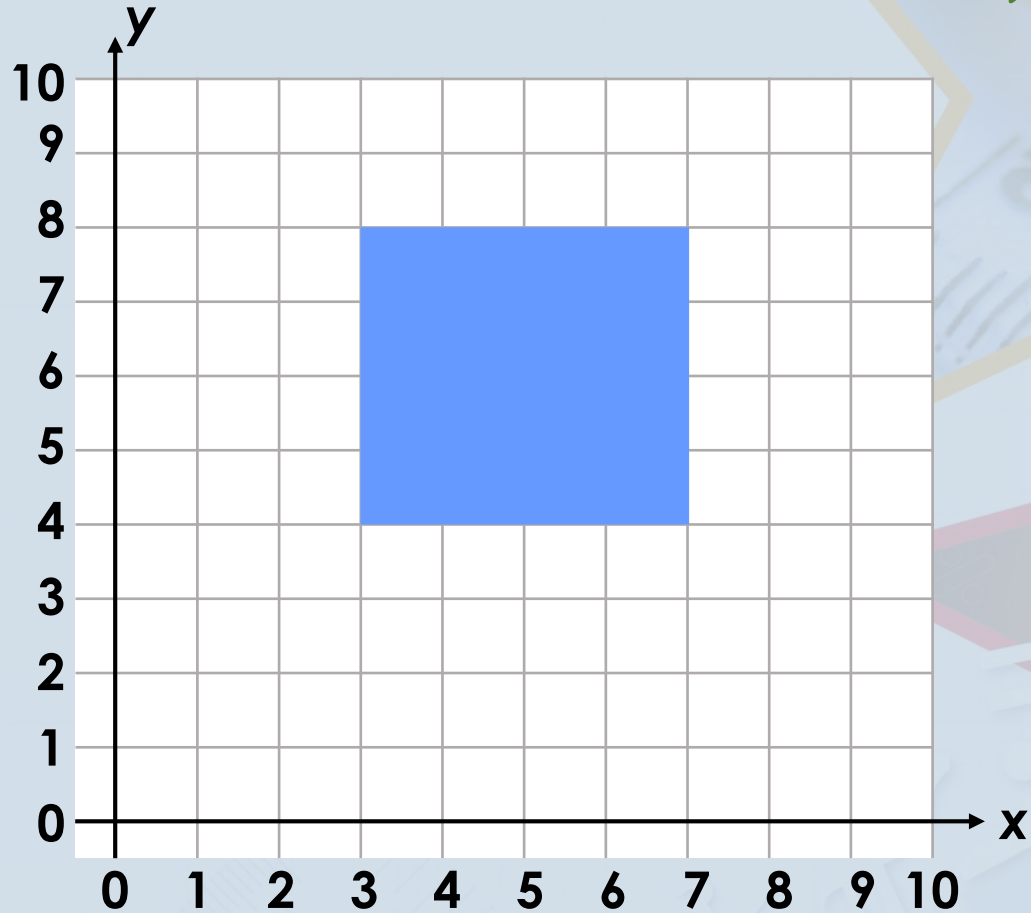
C (8, 5)

D (0, 6)

E (4, 8)

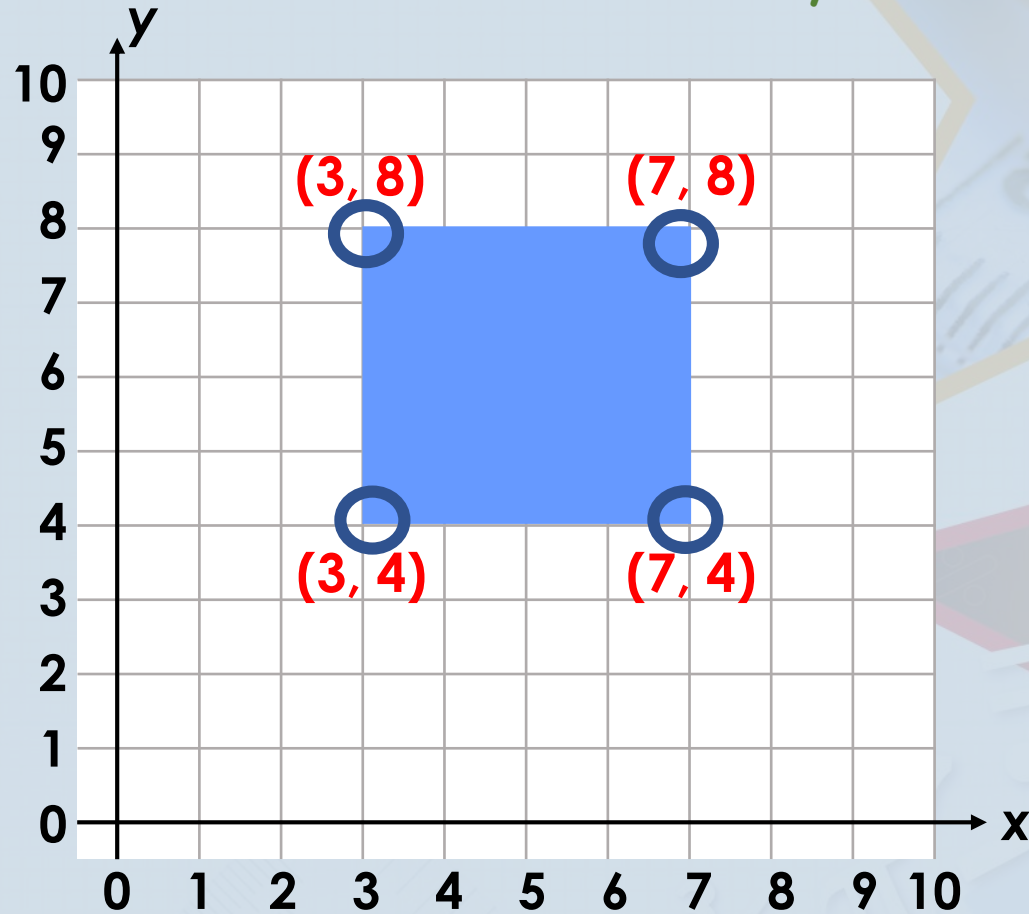
Look at the shape drawn on the grid below.
Write the coordinates of the vertices of the shape.

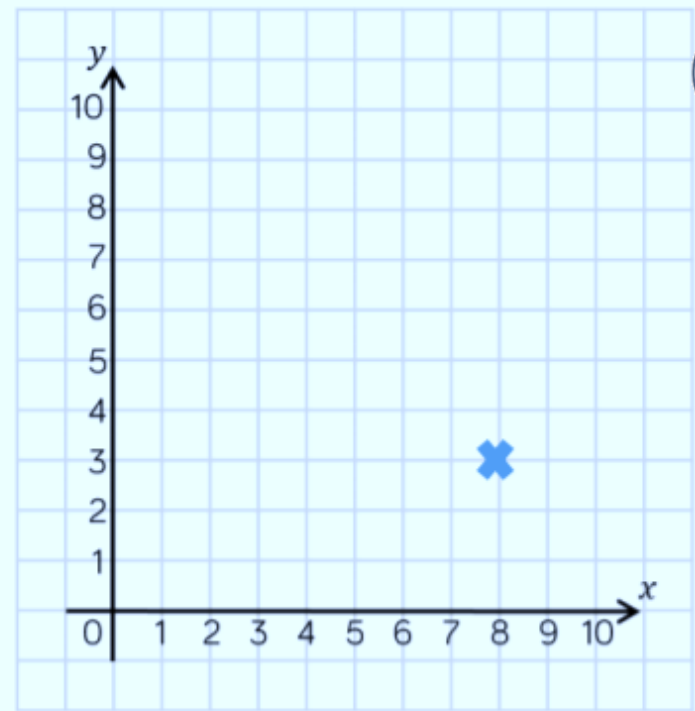
(Hint: the vertices is where two lines meet.)



Look at the shape drawn on the grid below.
Write the coordinates of the vertices of the shape.

I have circled the vertices for you!





The point is at $(8, 3)$



Mo



Alex

The point is at $(3, 8)$

Who do you agree with? Can you spot the mistake the other child has made?

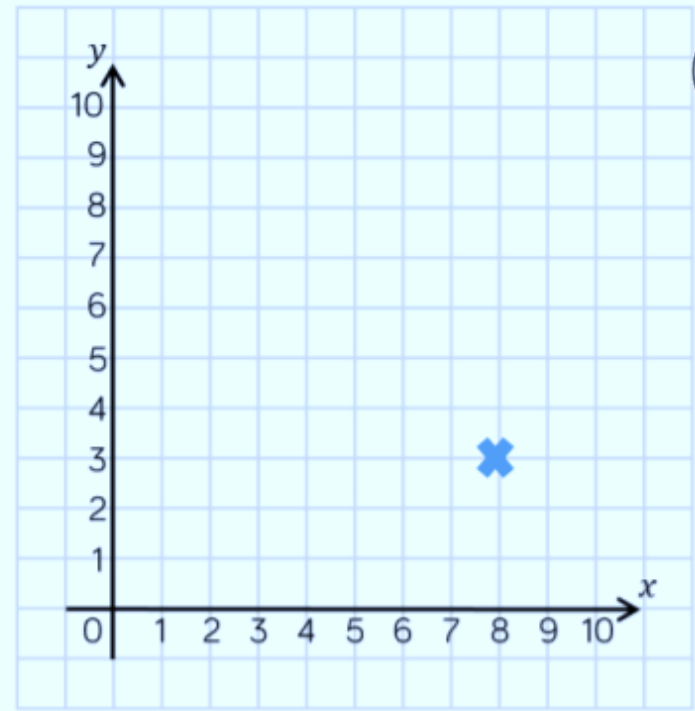
Mo is correct, as he has followed the x axis first, then the Y.

Alex followed the Y axis first. then the X axis, so she is incorrect.

Now have a go at today's activity.



Original slide



The point is at $(8, 3)$



Mo



Alex

The point is at $(3, 8)$

Who do you agree with? Can you spot the mistake the other child has made?