

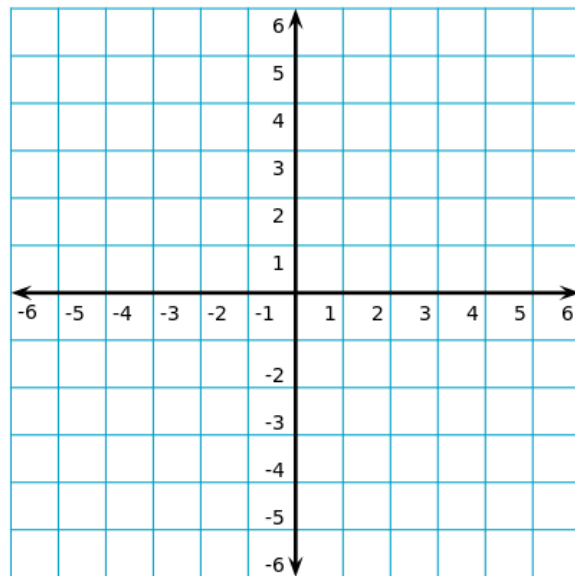


# Year 5 Maths Home Learning

## Week Four – Day Three

Warm up – Just Checkin'!!!

Main Learning – Plotting missing coordinates of shapes.





# Warm Up - Just Checkin'!!!

Some things from the last few weeks that you should be able to do!

1)  $\frac{4}{5} + \frac{3}{8}$

2)  $\frac{5}{9} - \frac{1}{3}$

3)  $-4 - 15 = ?$

4)  $-27 + 19 = ?$

5) One Kilogram = how many pounds?

6) 0.2 as a percentage and a fraction.

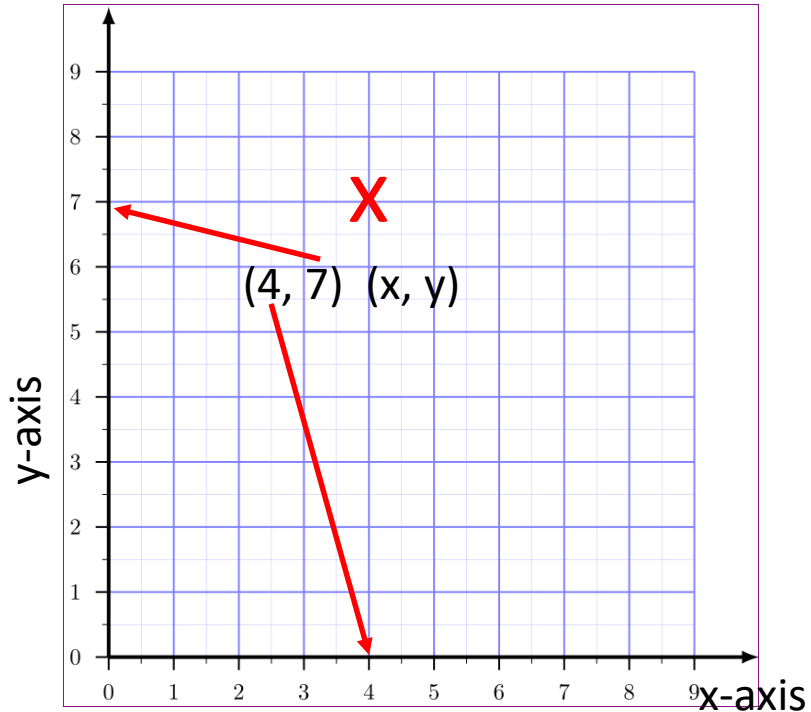
7) How many pints in a litre?

8) The first ten Square Numbers?



# Plotting points on a coordinates grid – finding missing coordinates of shapes.

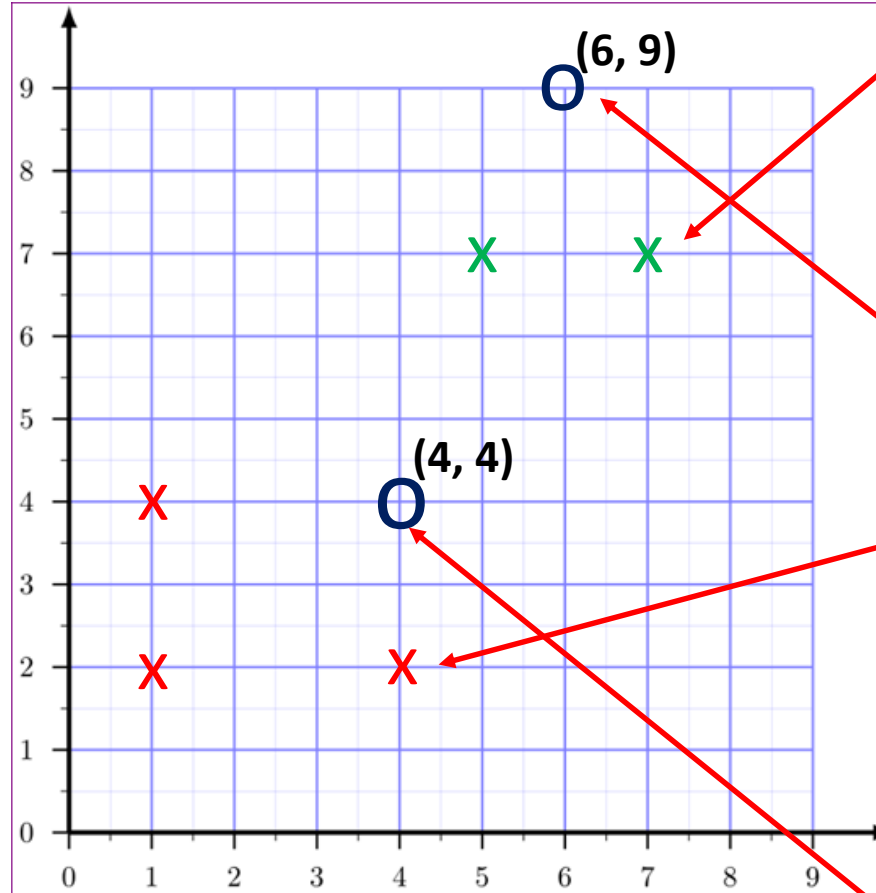
When reading a coordinate we have two things to consider, the x-coordinate and y-coordinate.



There are different ways to remember the order for when plotting coordinates

- 1) Along the corridor (x) and then up the stairs (y).
- 2) Coordinates are recorded in alphabetical order (x y).

## Finding missing coordinates.



If these two coordinates are two corners of a triangle – where could the third corner be and what would these coordinates be?

One possible answer would be **(6, 9)**.

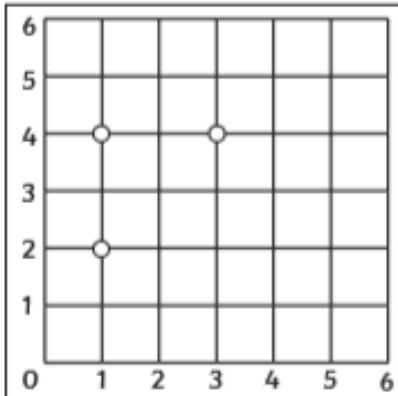
What other answers are possible?

If these are three corners of a rectangle, where is the fourth corner?

- 1) Join the three points to form two sides of the shape.
- 2) Visualise the rest of the shape and use knowledge of properties of the shape to work out the missing corner.
- 3) Complete the shape and record the missing coordinate **(4, 4)**.

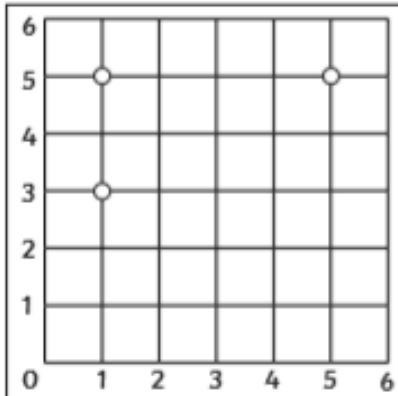
# Now it's your turn... Draw out each grid and complete the shapes.

## First steps



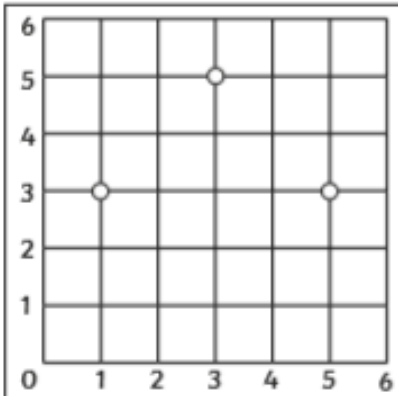
Plot the missing coordinate to make a **square**.

Complete the drawing and write the missing coordinate ( , ).



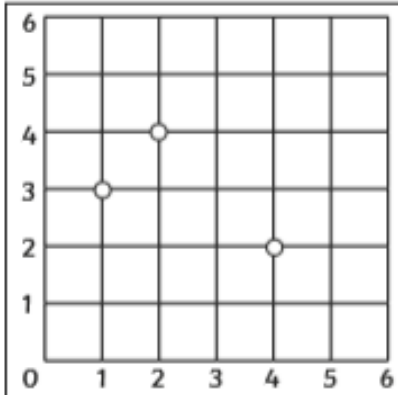
Plot the missing coordinate to make a **rectangle**.

Complete the drawing and write the missing coordinate ( , ).



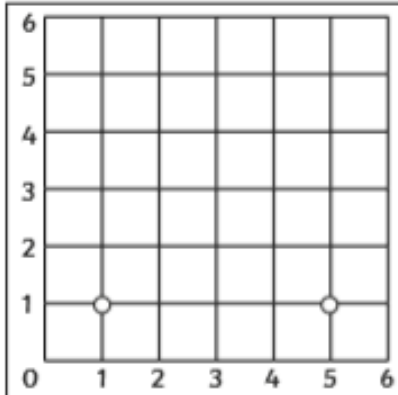
Plot the missing coordinate to make a **square**.

Complete the drawing and write the missing coordinate ( , ).



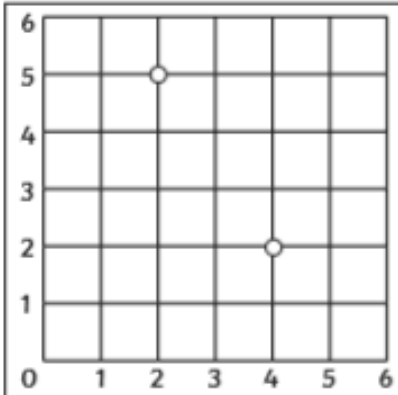
Plot the missing coordinate to make a **rectangle**.

Complete the drawing and write the missing coordinate ( , ).



Plot the missing coordinate to make a **right-angled triangle**.

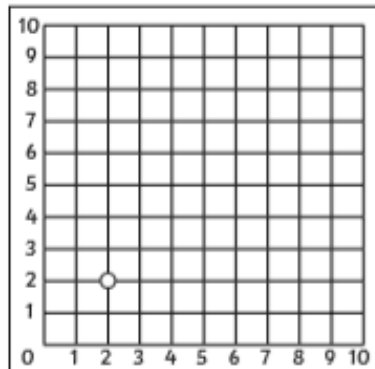
Complete the drawing and write the missing coordinate ( , ).



Plot the missing coordinate to make a **triangle**.

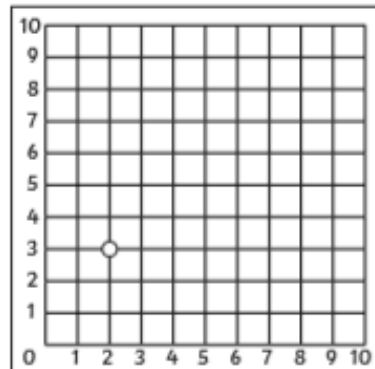
Complete the drawing and write the missing coordinate ( , ).

## Trickier



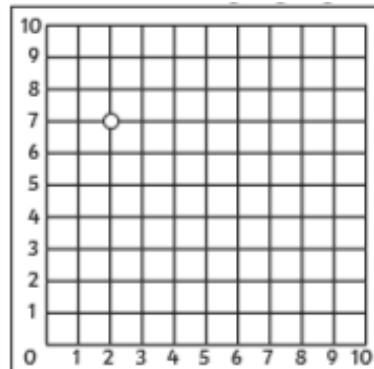
Plot the missing coordinates to make a **right-angled triangle**.

Complete the drawing and write the missing coordinates: ( , ), ( , ).



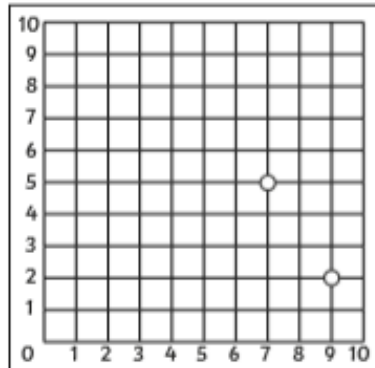
Plot the missing coordinates to make an **isosceles triangle**.

Complete the drawing and write the missing coordinates: ( , ), ( , ).



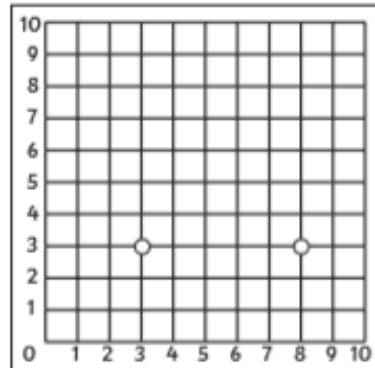
Plot the missing coordinates to make a **scalene triangle**.

Complete the drawing and write the missing coordinates: ( , ), ( , ).



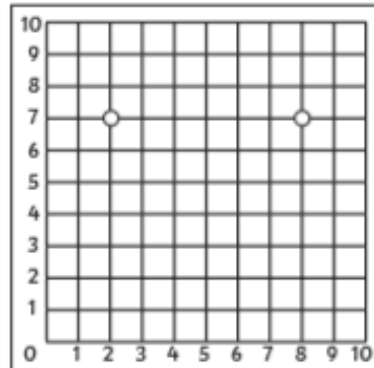
Plot the missing coordinates to make a **parallelogram**.

Complete the drawing and write the missing coordinates: ( , ), ( , ).



Plot the missing coordinates to make a **trapezium**.

Complete the drawing and write the missing coordinates: ( , ), ( , ).



Plot the missing coordinates to make a **kite**.

Complete the drawing and write the missing coordinates: ( , ), ( , ).

That's all folks...for this week!!!



Remember to email your work to your teacher!

Coming up next week – addition and subtraction of decimal numbers.

Here's a link to the online maths dictionary for you to refer to  
<http://www.amathsdictionaryforkids.com/dictionary.html>