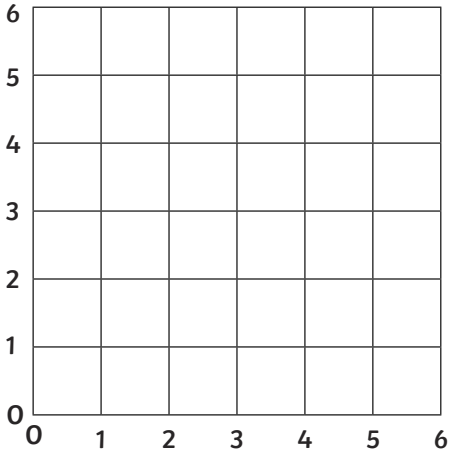
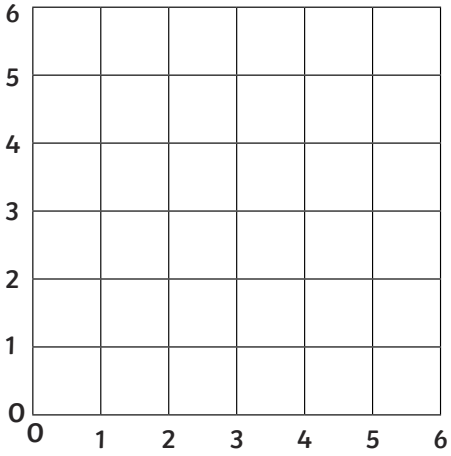
1) Plot these coordinates onto the grid. Plot two more points to make a square.



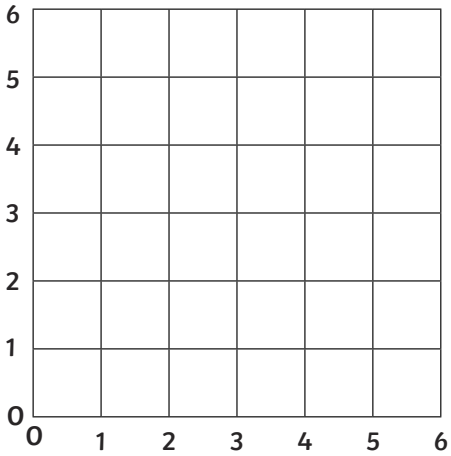
(2,2), (2,5)

2) Plot these coordinates onto the grid. Plot two more points to make a rectangle.



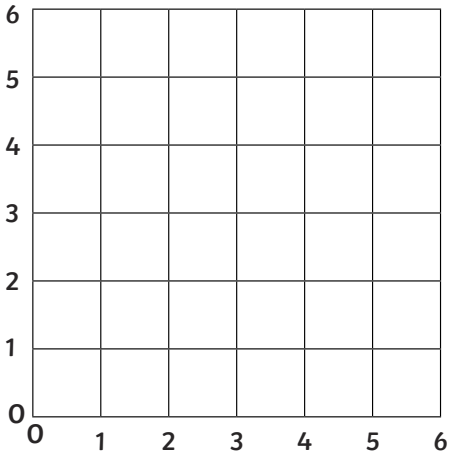
(1,3), (5,5)

3) Plot these coordinates onto the grid. Plot two more points to make a parallelogram.



(3,1), (5,5)

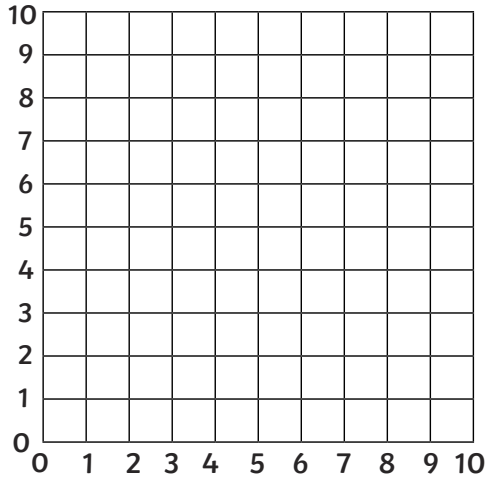
4) Plot these coordinates onto the grid. Plot two more points to make a kite.



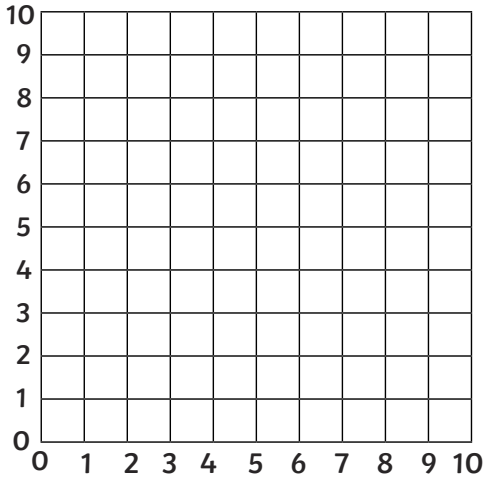
(4,5), (4,2)

Isaac says:

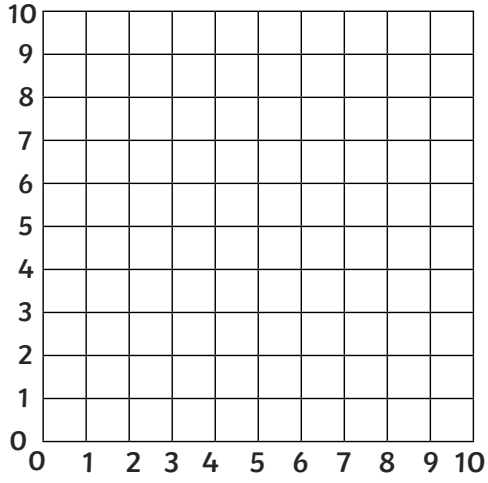
Do you agree with this statement? Use different colour pencils to draw on the grid below to explain your reasoning. How many ways of plotting five coordinates can you find? Label all the coordinates that you plot.



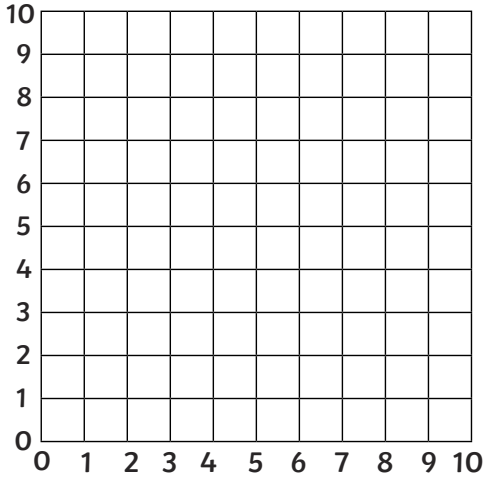
Coordinates:



Coordinates:

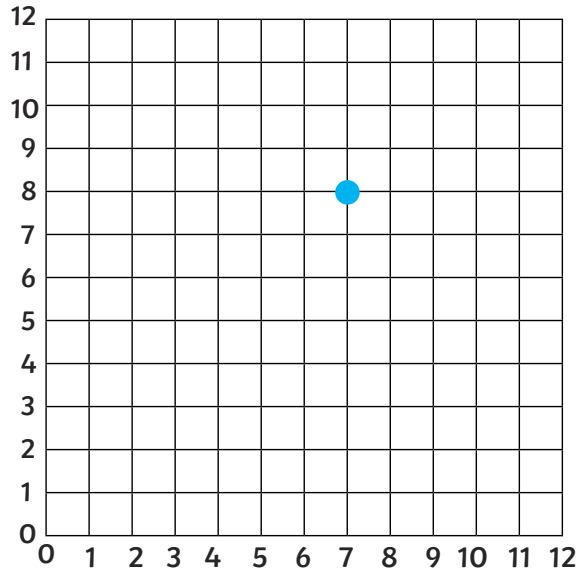


Coordinates:



Coordinates:

The coordinate point shown on this grid is a shared vertex of three types of triangles. Can you plot the missing vertices and draw lines to construct the three different triangles? Write the coordinates of each triangle. Can you find at least three different ways to solve this problem?

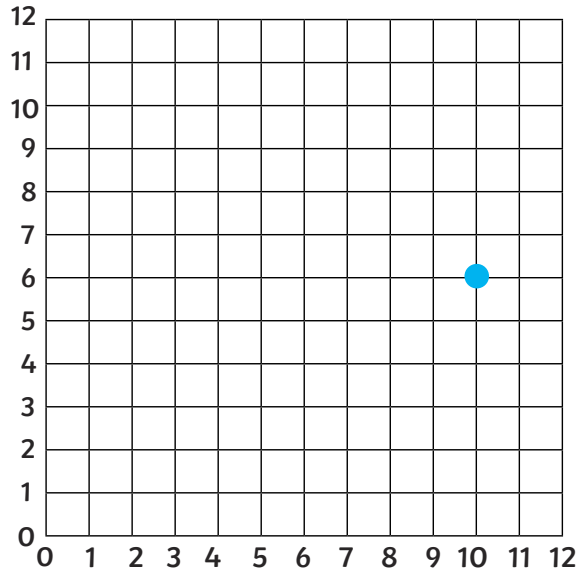


Triangle 1 _____ _____

Triangle 2 _____ _____

Triangle 3 _____ _____

The coordinate point shown on this grid is a shared vertex of three different types of quadrilaterals. Can you plot the missing vertices and draw lines to construct the three different quadrilaterals? Write the coordinates of each quadrilateral. Can you find at least three different ways to solve this problem?



Quadrilateral 1 _____ _____ _____

Quadrilateral 2 _____ _____ _____

Quadrilateral 3 _____ _____ _____