



# **National Curriculum Objective**

• Describe positions on the full coordinate grid (all four quadrants).



#### The First Quadrant Diving

Working with your learning partner, write an explanation of how to plot the coordinate (9,7) on a coordinate grid.





Starting at the origin (0,0), read along the x-axis to the number 9.

Then read up the y-axis to the number 7.

At this point, mark the coordinate.



#### The First Quadrant Diving

Jenni has plotted two vertices of a rectangle. What are the coordinates of vertices A and B?

Write down the coordinates of the missing two vertices.





#### The First Quadrant Deeper

Jenni and Paul are plotting the vertices of a square.

Who do you agree with and why? What mistakes have been made?

Paul is correct. Jenni has given the y coordinate first. She should have given the x coordinate and then the y coordinate.





#### The First Quadrant

Deeper

Here are two vertices of a rectangle.

There are many possible answers. For example, (5,5) and (5,3) would make a rectangle. They could not be (5,6) and (5,2) as this would make a trapezium.

What could the coordinates of the other two vertices be?



What coordinates could they not be?

### The First Quadrant Deepest





Here is one vertex of a rectangle.

Find all the possible rectangles that can be drawn using this vertex.

Write the coordinates of the missing vertices of each rectangle.

There are lots of possible answers. Compare your findings with a friend. The First Quadrant

## Dive in by completing your own activity!



# **Need Planning to Complement this Resource?**

National Curriculum Aim

Describe positions on the full coordinate grid (all four quadrants).

For more planning resources to support this aim, <u>click here</u>.



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