

To be able to read and plot co-ordinates in the first quadrant



**Starter:**

Many people use the phrase "Go along the corridor and up the stairs" to help them remember how to read or plot co-ordinates.

Using your own words, or using some of the words below, write your own saying:

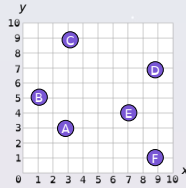
- runway
- tower
- stream
- stars
- escalator
- path
- sky
- pavement
- river
- mountain
- road
- steps
- ladder
- hallway
- space
- the ground

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**Activity 1:**

Write the co-ordinates for the points plotted below.



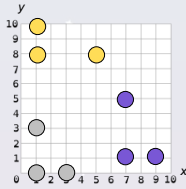
Which plotted point doesn't belong? Explain your answer.

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**Activity 2:**

Plot the final points to complete the rectangles below.



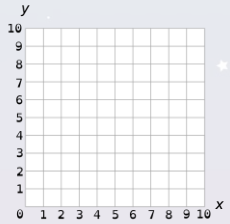
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**Activity 3:**

Draw the vertices of the polygon with the co-ordinates (7,2), (9,2) and (7,6). What type of polygon can now be drawn?

Draw the vertices of the polygon with the co-ordinates (1,3), (2,5), (5,3) and (6,5). What type of polygon can now be drawn?



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**Activity 4:**

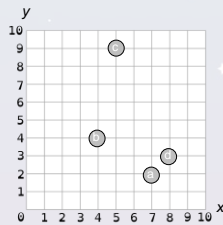
James was asked to plot the following co-ordinates:

- a) (2,7)
- b) (4,4)
- c) (9,5)
- d) (3,8)

He's made some errors.

Re-plot the incorrect co-ordinates.

Why could he not make the same error when plotting the point for b)?



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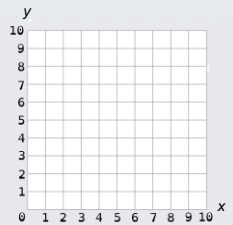
**Activity 5:**

Ruth wants to draw the following shape:



She plots the following co-ordinates: (4,9), (9,9), (6,5) and (8,6).

Can she draw the shape she intended to? Explain your answer.



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Evaluation:

You can't have points with an x or y co-ordinate of less than 1.



Do you agree?

Use the grid to help explain your response.

