

To be able to read and plot coordinates 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 coordinates.

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

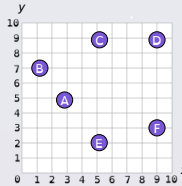
runway tower stream stars  
escalator path sky pavement  
river mountain road steps  
ladder hallway space the ground

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**Activity 1:**

Write the coordinates for the points plotted below.



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

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**Activity 2:**

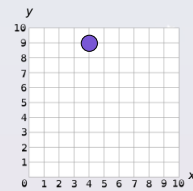
Look at the plotted point.

James says, "The plotted point has the coordinates (9,4)."

Ruth says, "The plotted point has the coordinates (4,9)."

Who is correct?

Explain your answer.

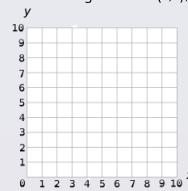


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**Activity 3:**

Plot the following coordinates on the grid below: (3,3), (5,10), (9,5) and (10,1).

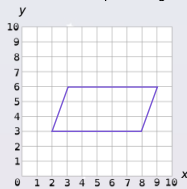


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**Activity 4:**

What are the coordinates for each of the parallelogram's vertices below?



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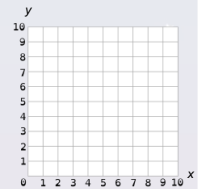
**Activity 5:**

If each small square in the grid paper is 1 cm by 1 cm, plot all four points of the following rectangle (figuring out the missing fourth point):

(10,7), (2,7) and (2,10).

Then, calculate the rectangle's perimeter and area.

Explain your answer.



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### Activity 6:

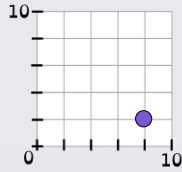
Look at the plotted coordinate.

Ahmed says, "The plotted point has the co-ordinates (8,2)."

Yasmin says, "The plotted point has the co-ordinates (4,1)."

Who is correct?

Explain your answer.



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### Evaluation:



The two points I have plotted share the same x coordinate.

Do you agree?

Use the grid to help explain your response.

