

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:

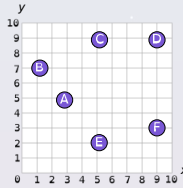
- runway
- tower
- stream
- stars
- escalator
- path
- sky
- pavement
- river
- mountain
- road
- steps
- ladder
- hallway
- space
- the ground

To be able to read and plot coordinates in the first quadrant



Activity 1:

Write the coordinates for the points plotted below.



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

To be able to read and plot coordinates in the first quadrant



Activity 2:

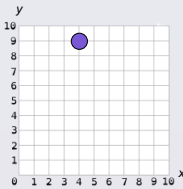
Look at the plotted point.

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.

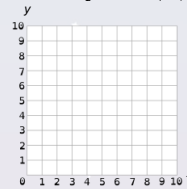


To be able to read and plot coordinates in the first quadrant



Activity 3:

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

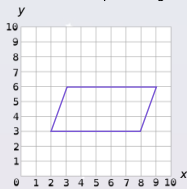


To be able to read and plot coordinates in the first quadrant



Activity 4:

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



To be able to read and plot coordinates in the first quadrant



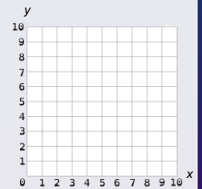
Activity 5:

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.



To be able to read and plot coordinates in the first quadrant



Activity 6:

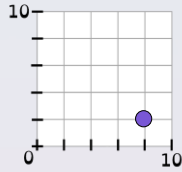
Look at the plotted coordinate.

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.



To be able to read and plot coordinates in the first quadrant



Evaluation:



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

Do you agree?

Use the grid to help explain your response.

