

Lesson 1 Position on the first quadrant

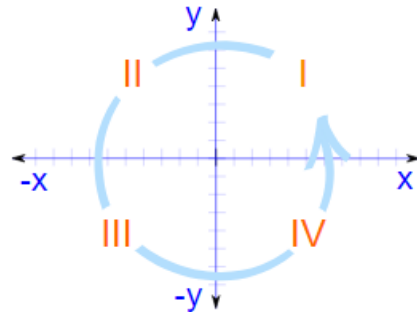
Definition of

Quadrant (graph)

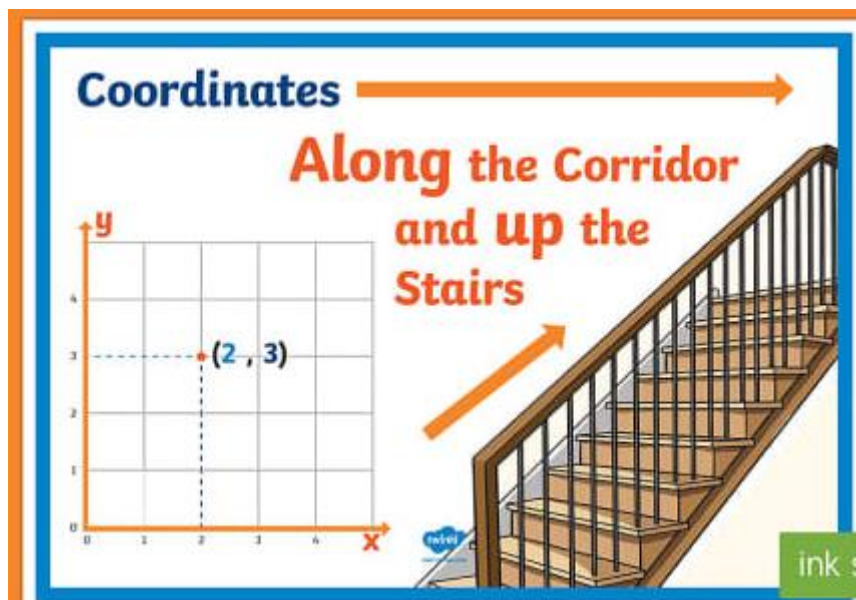
[more ...](#)

Any of the 4 areas made when we divide up a plane by an **x** and **y** axis, as shown.

They are usually numbered I, II, III and IV



Always remember!



Look through the powerpoint to answer some questions on coordinates.

Choose a task that you feel confident in completing. 3 options that you have are developing, expected and greater depth.

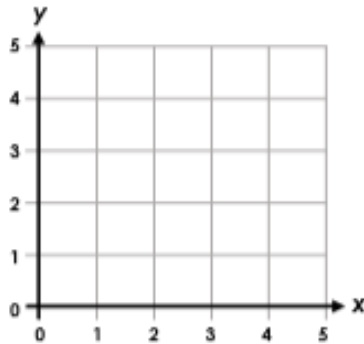
You will need to draw the coordinate grids in your home learning books. Share this with us through google classroom or by sending it to our email address.

Developing

Position in the First Quadrant

1a. The coordinates below will create one letter. Draw and join them on the grid to find out the letter.

(3, 1) (3, 3) (5, 1) (5, 3)

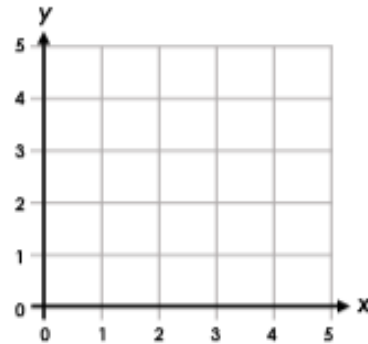


PS

Position in the First Quadrant

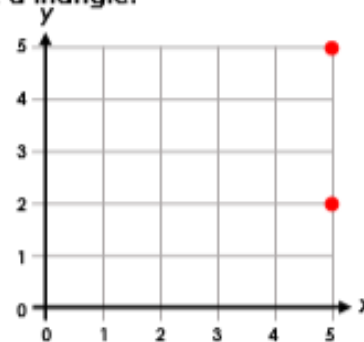
1b. The coordinates below will create one letter. Draw and join them on the grid to find out the letter.

(3, 1) (3, 3) / (2, 3) (4, 3)



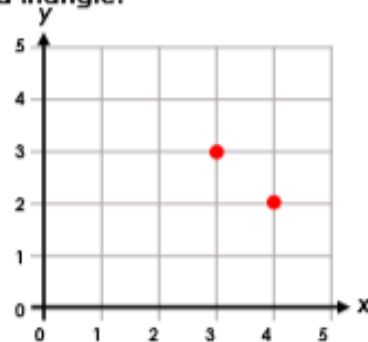
PS

2a. Two coordinates out of three have already been plotted. Write the rest of the coordinates and join them on the grid to create a triangle.



PS

2b. Two coordinates out of three have already been plotted. Write the rest of the coordinates and join them on the grid to create a triangle.

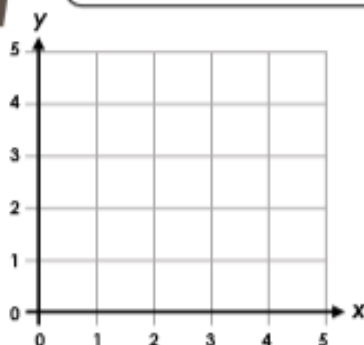


PS

3a. True or false? Explain your answer.



(1, 4) (1, 3) (1, 2) makes a straight horizontal line.

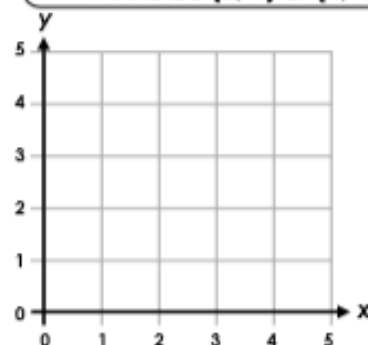


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3b. True or false? Explain your answer.



(3, 4) (2, 4) (1, 4) is a straight line, the next point on the left would be (0, 4) or (4, 4).



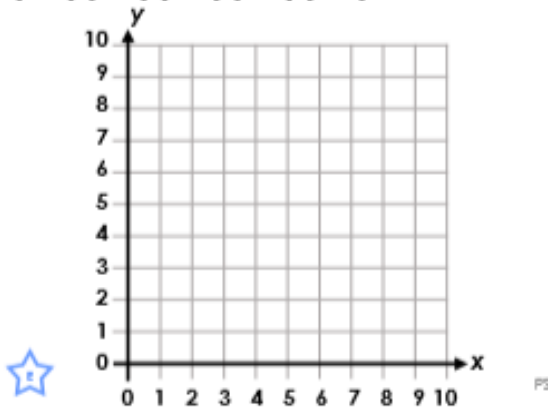
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Expected

Position in the First Quadrant

4a. The coordinates below will create a letter. Draw and join them on the grid to find out the letter.

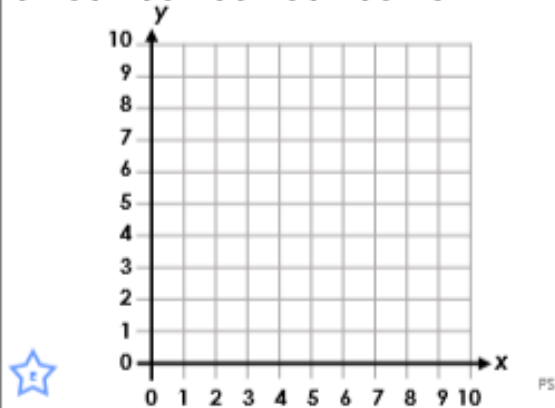
(1, 1) (1, 6) (3, 6) (3, 4) (1, 4)



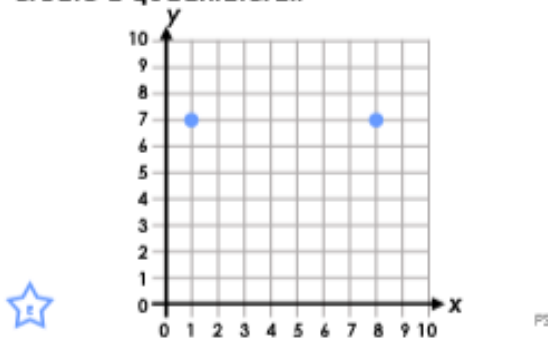
Position in the First Quadrant

4b. The coordinates below will create a letter. Draw and join them on the grid to find out the letter.

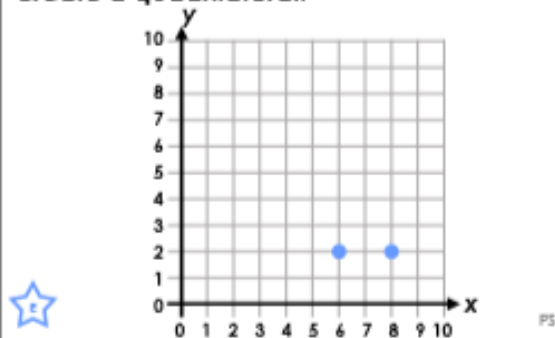
(2, 7) (1, 7) (1, 6) (2, 6) (2, 5) (1, 5)



5a. Two coordinates out of four have already been plotted. Write the rest of the coordinates and join them on the grid to create a quadrilateral.



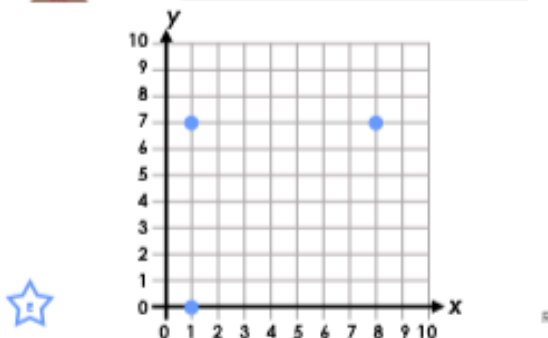
5b. Two coordinates out of four have already been plotted. Write the rest of the coordinates and join them on the grid to create a quadrilateral.



6a. True or false? Explain your answer.



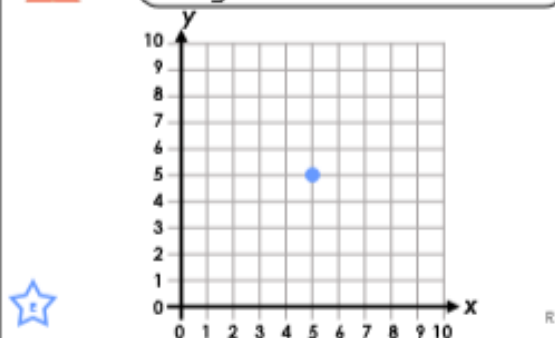
If I have 3 coordinates of a square, I can calculate the fourth.



6b. True or false? Explain your answer.



If only one value changes in a new coordinate, it will make either a horizontal or vertical straight line from where it was.



Greater Depth

Position in the First Quadrant

7a. The coordinates below will create a letter. Draw and join them on the grid to find out the letter.

(4, 6) (4, 16) (8, 12) (12, 16) (12, 6)

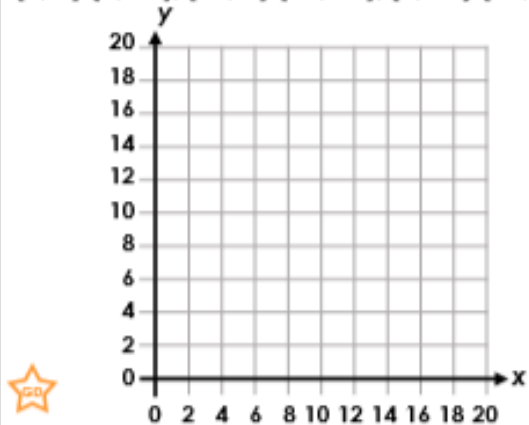


PS

Position in the First Quadrant

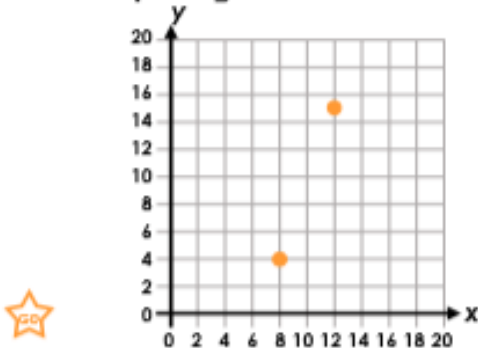
7b. The coordinates below will create a letter. Draw and join them on the grid to find out the letter.

(6, 2) (6, 18) (14, 2) (14, 18) (6, 11) (14, 11)



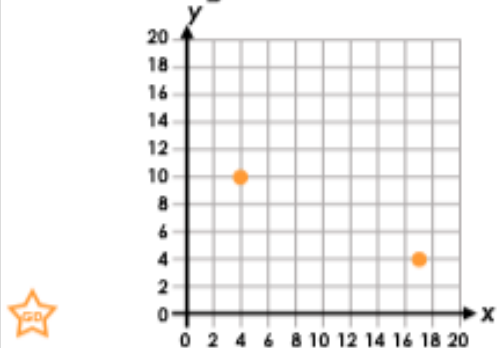
PS

8a. Two coordinates out of five have already been plotted. Write the rest of the coordinates and join them on the grid to create a pentagon.



PS

8b. Two coordinates out of six have already been plotted. Write the rest of the coordinates and join them on the grid to create a hexagon.



PS

9a. True or false? Explain your answer.



The value of x and y **MUST** be an integer.



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9b. True or false? Explain your answer.



If your shape touches the top of the grid you cannot move it up any further.



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