

COORDINATES Instructional Sheet

COORDINATES are the points on a grid.

Think about the game Battleship. You have numbers that represent the vertical axis (going up and down) and numbers that represent the horizontal axis (going across).

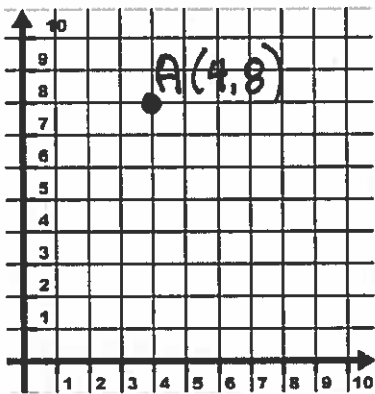
the horizontal axis is the X Axis ("x goes across", "you cross an x")

the vertical axis is the Y Axis ("y goes down")

Whenever you plot coordinates, X is before Y

- the first number is for the X axis, and the second number is for the Y axis

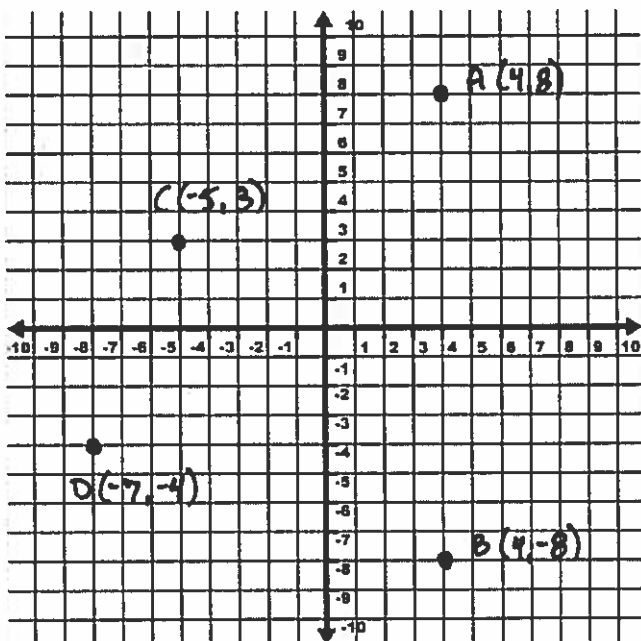
The X and Y axis cross at (0 , 0)



ie. Point A is (4 , 8)

- find the 4 value on the X axis (horizontal), then find the 8 value on the Y axis (vertical)
- where those two lines meet (4 and 8) is where you place the coordinate (4 , 8), and you place the letter A

Now, let's work with a grid with positive and negative values:



ie. Point A is (4 , 8)

Point B is (4 , -8)

Point C is (-5 , 3)

Point D is (-7 , -4)

Remember X (across) before Y (up & down)

- Point A is the same as above (4 , 8)
- Point B is + 4 on the X axis (right of centre) and -8 (going down) on the Y axis
- Point C is -5 on the X axis (go left from the center) and +3 (going up) on the Y axis
- Point D is -7 on the X axis (left of centre) and -4 (going down) on the Y axis