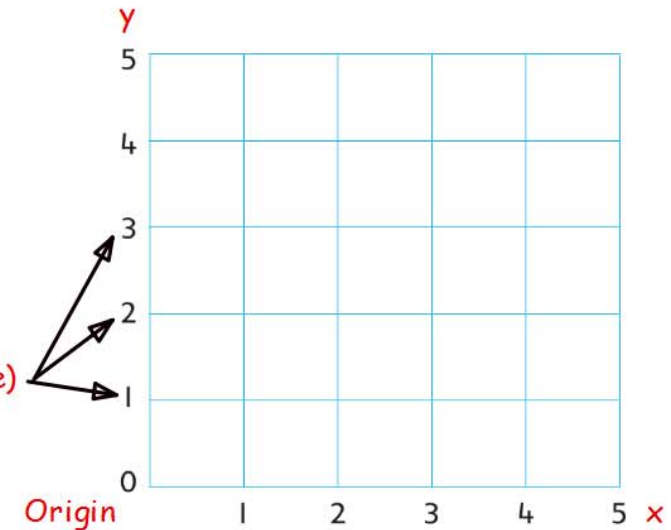


## To plot coordinates on a grid

### Steps to success:

- 1) I can say which is the x and y axes.
- 2) I can say what the origin is.
- 3) I can label an axes. *(put the numbers on the line - no the space)*
- 4) I can plot points and name the shape.



### Vocabulary:

Axis (axes)

plot

x

y

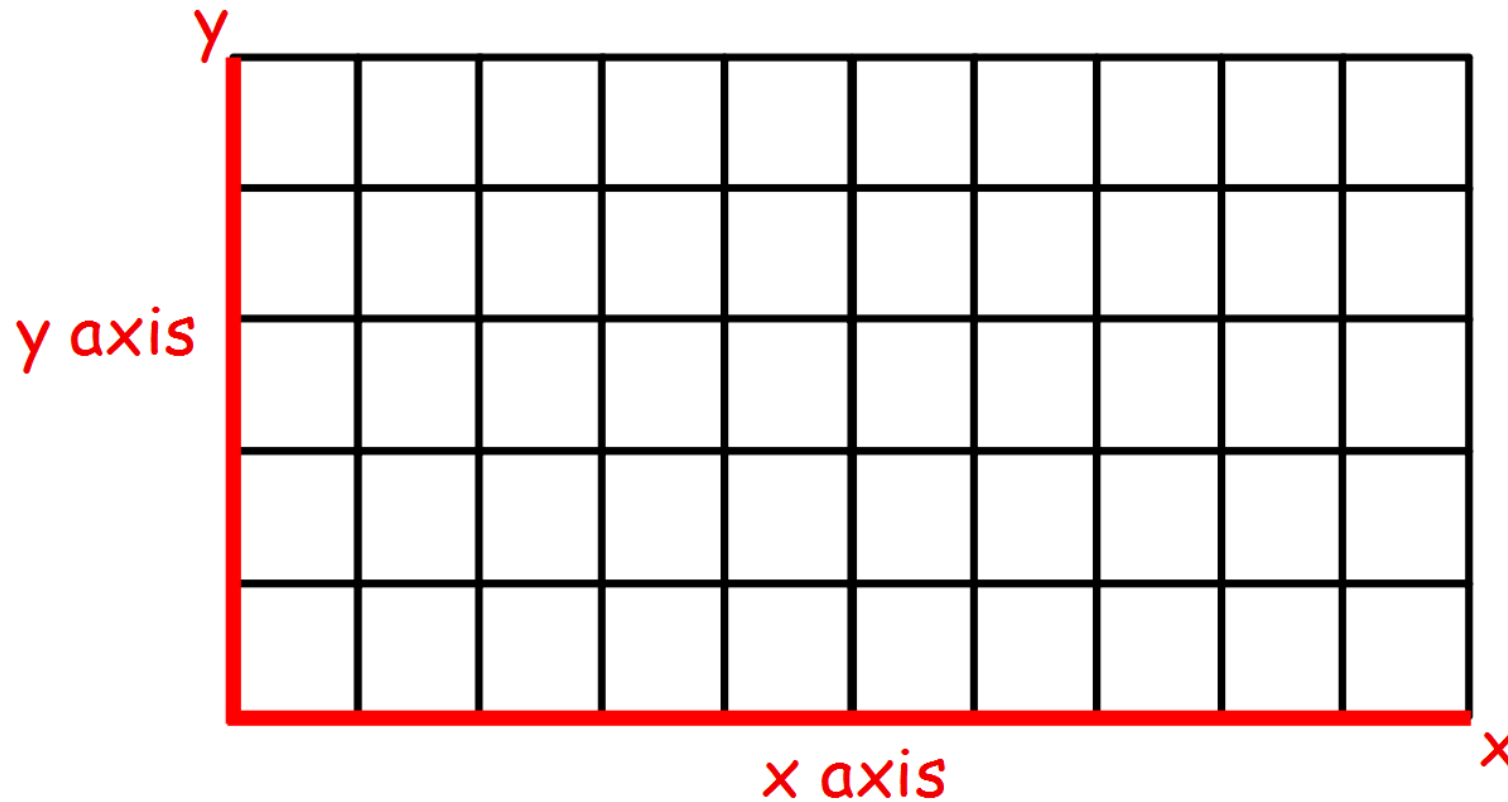
horizontal

vertical

origin

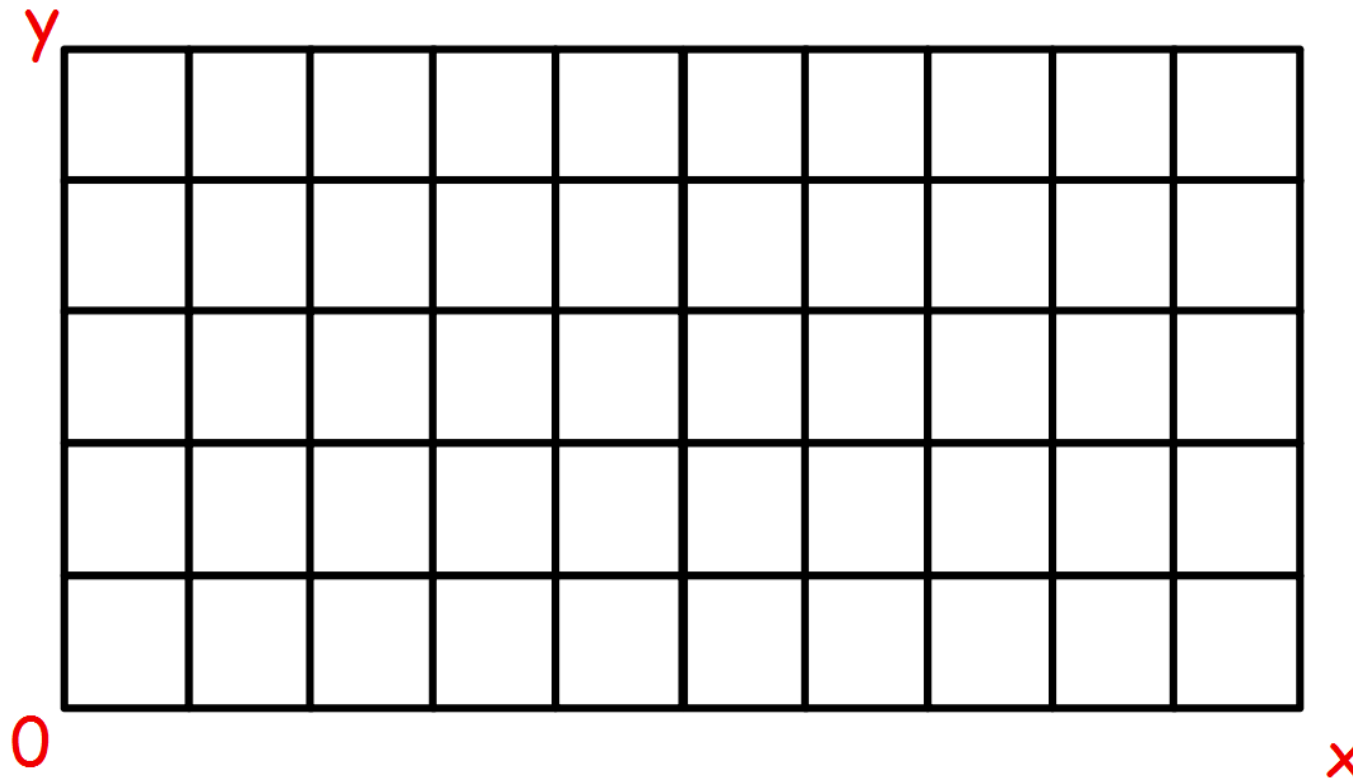
grid

Across (x) the hall and up the stairs (y)



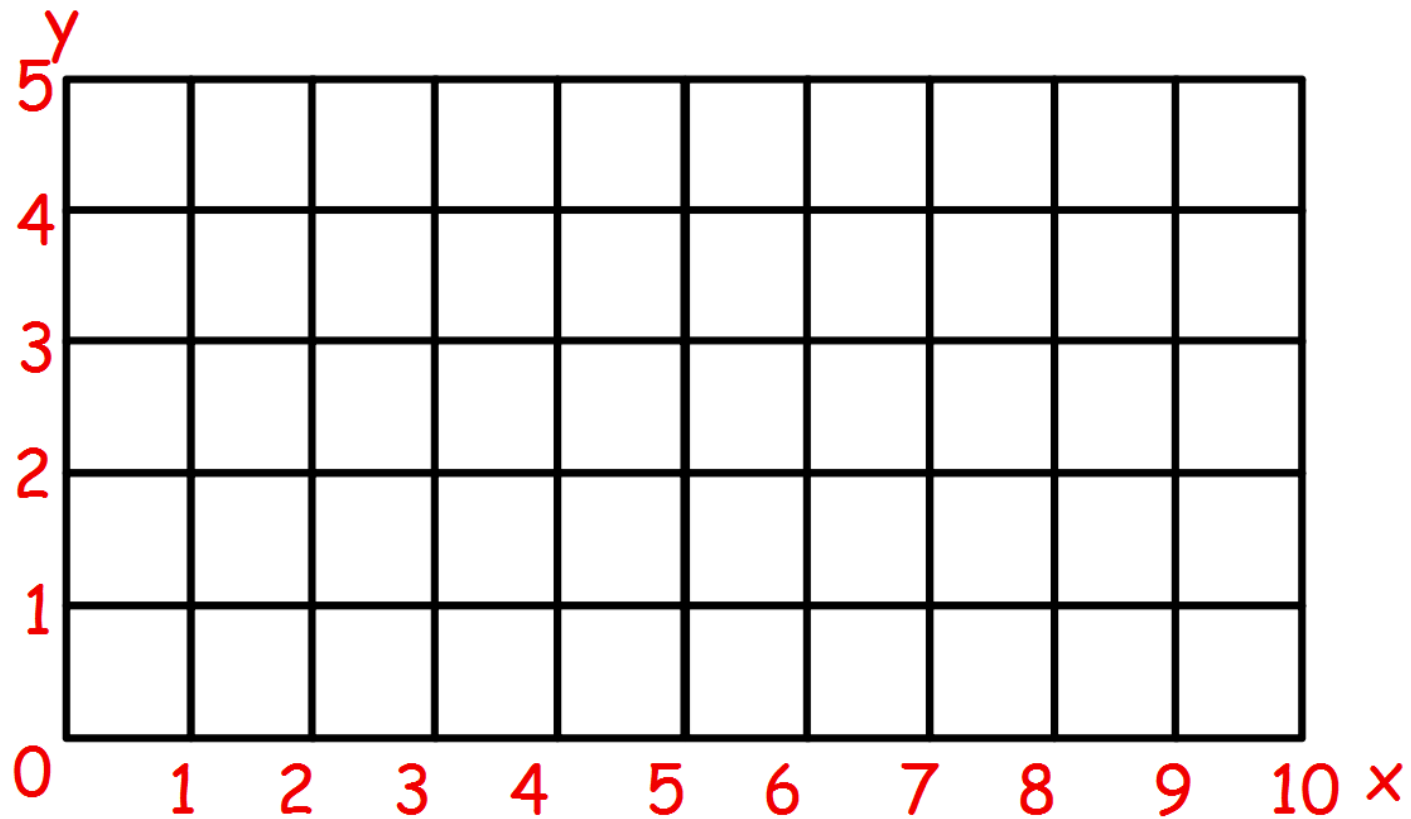
On an axis,  $x$  always goes horizontally (left to right).  
 $y$ , always goes vertically (up and down)

## The Origin



The origin is where both axes meet (0)

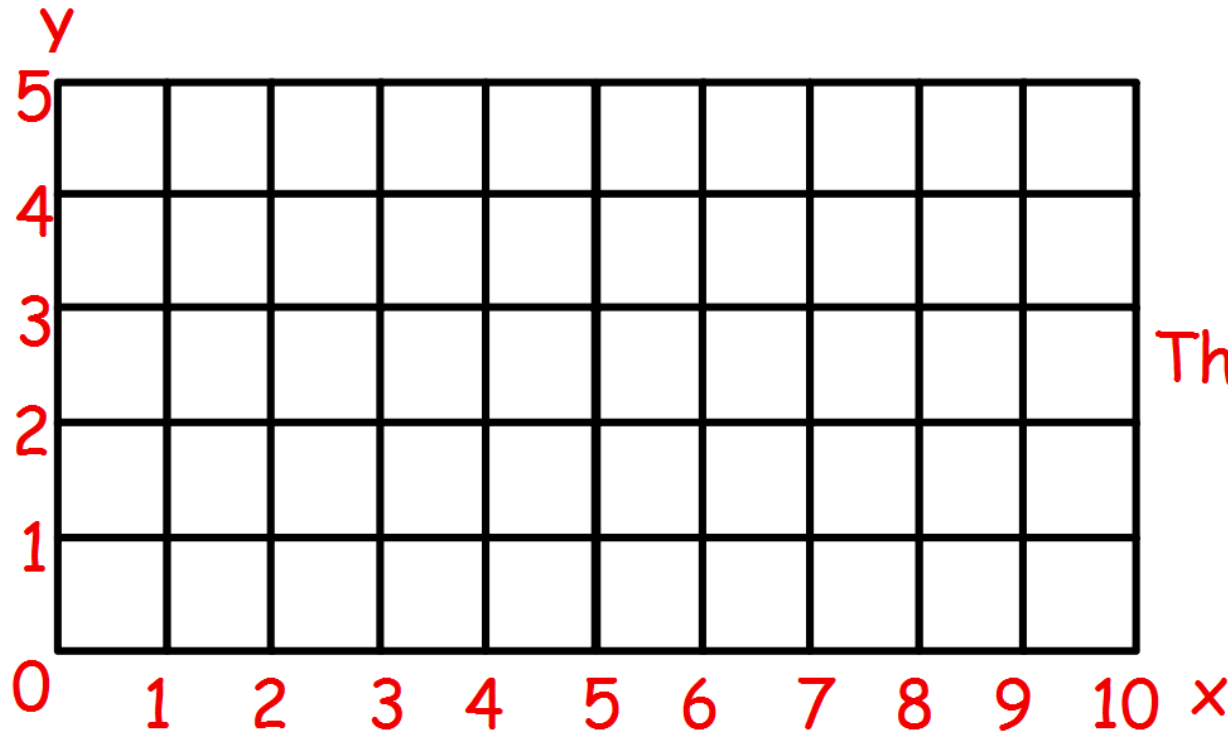
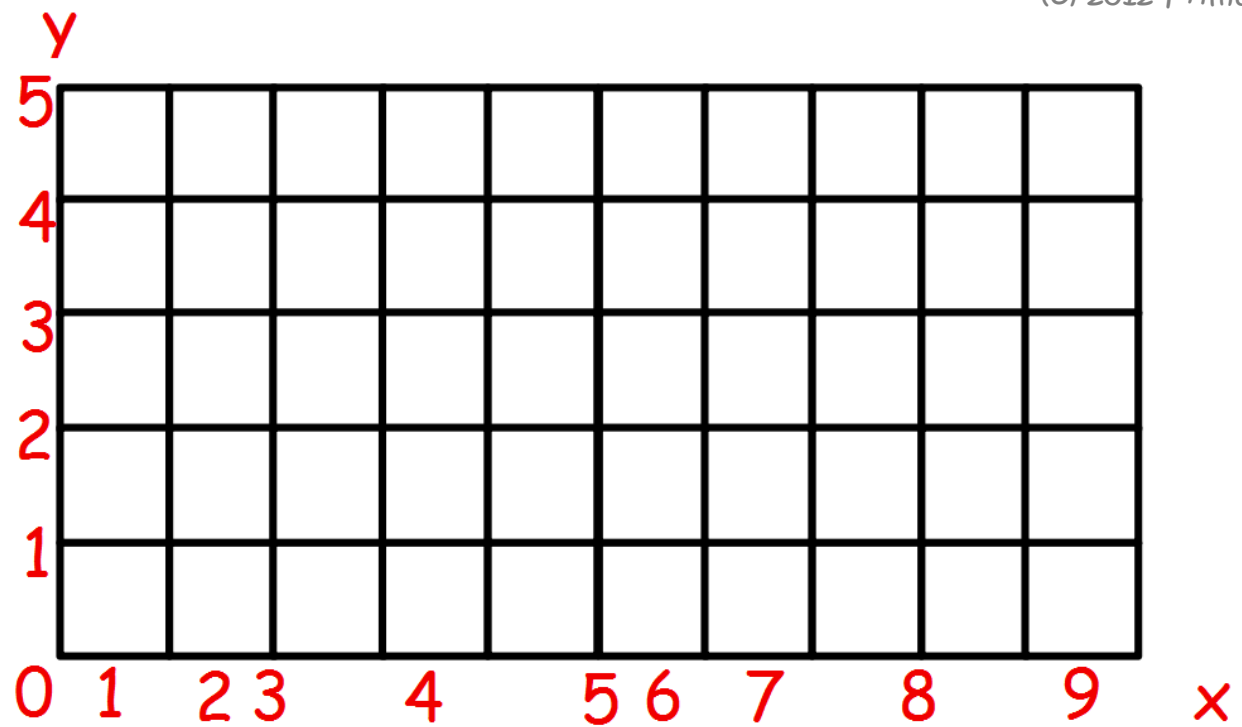
## Labelling the axes



Put the numbers on the lines at equal distances

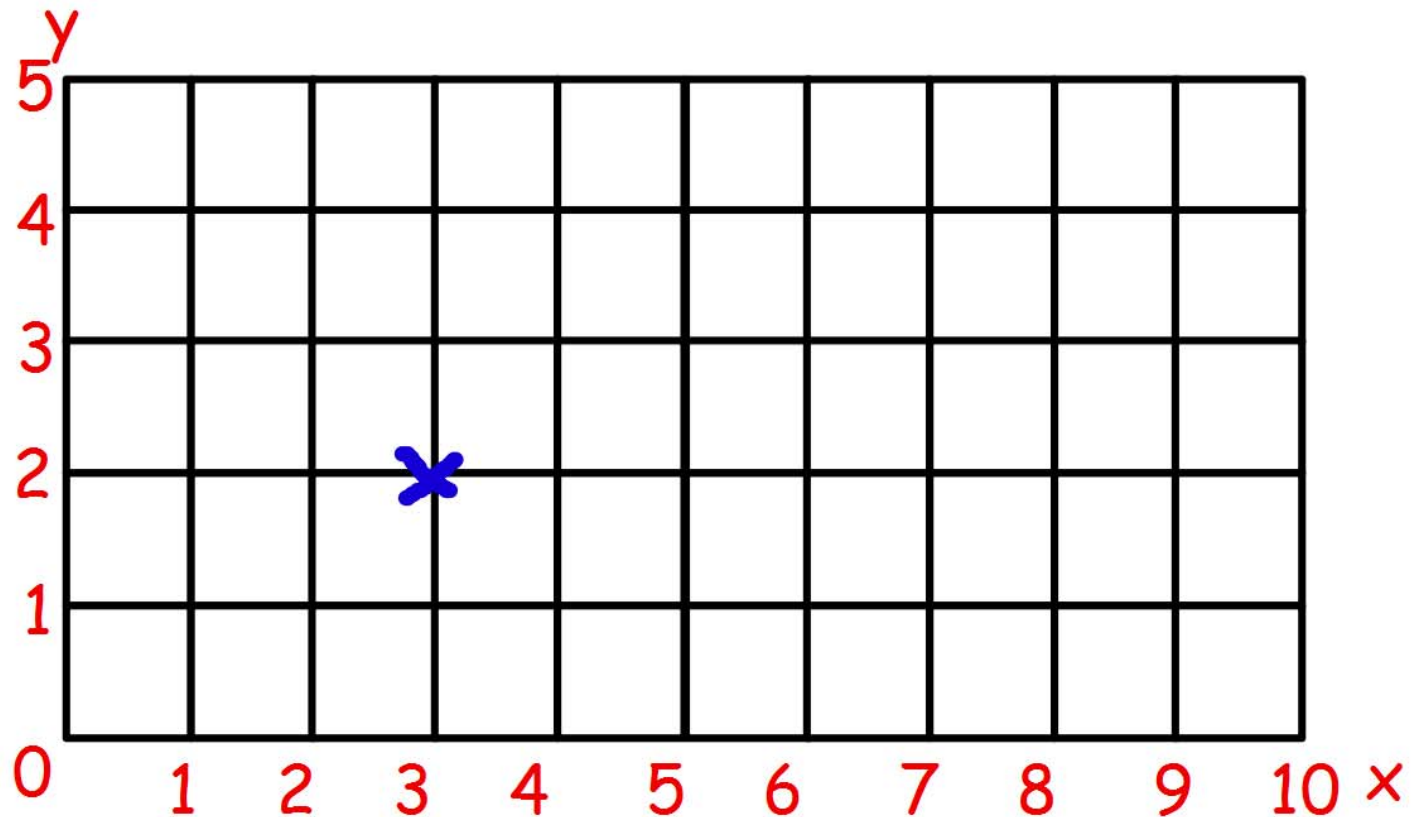
# Labelling the axes

Why is this one no good?



This is perfect!

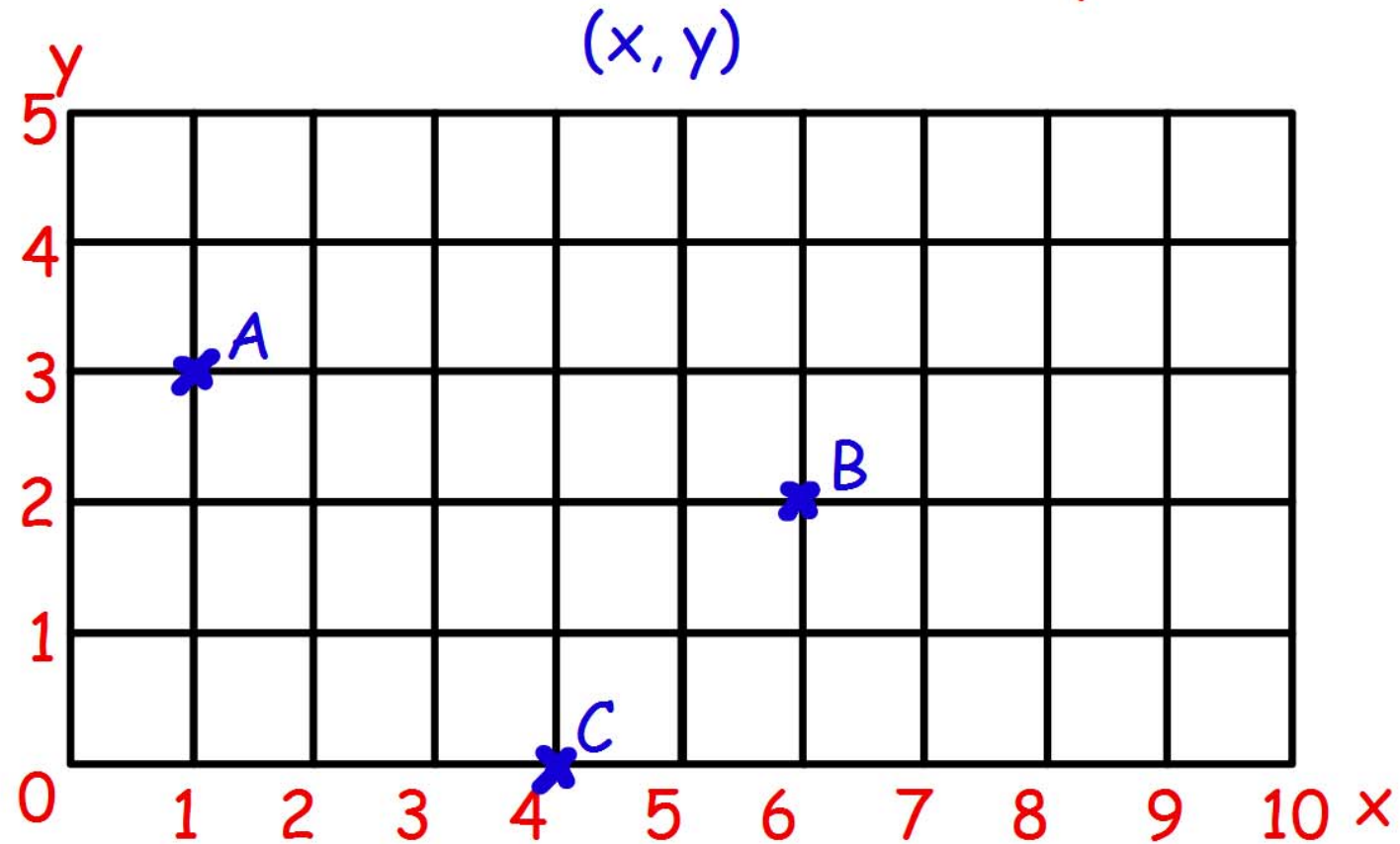
## Plotting Points



Coordinates: x always comes first, then y...so we go across the hall and up the stairs.  $(x,y)$

The coordinate of the cross is  $(3,2)$

What are the coordinates of these points?



$$A = ( 1 , 3 )$$

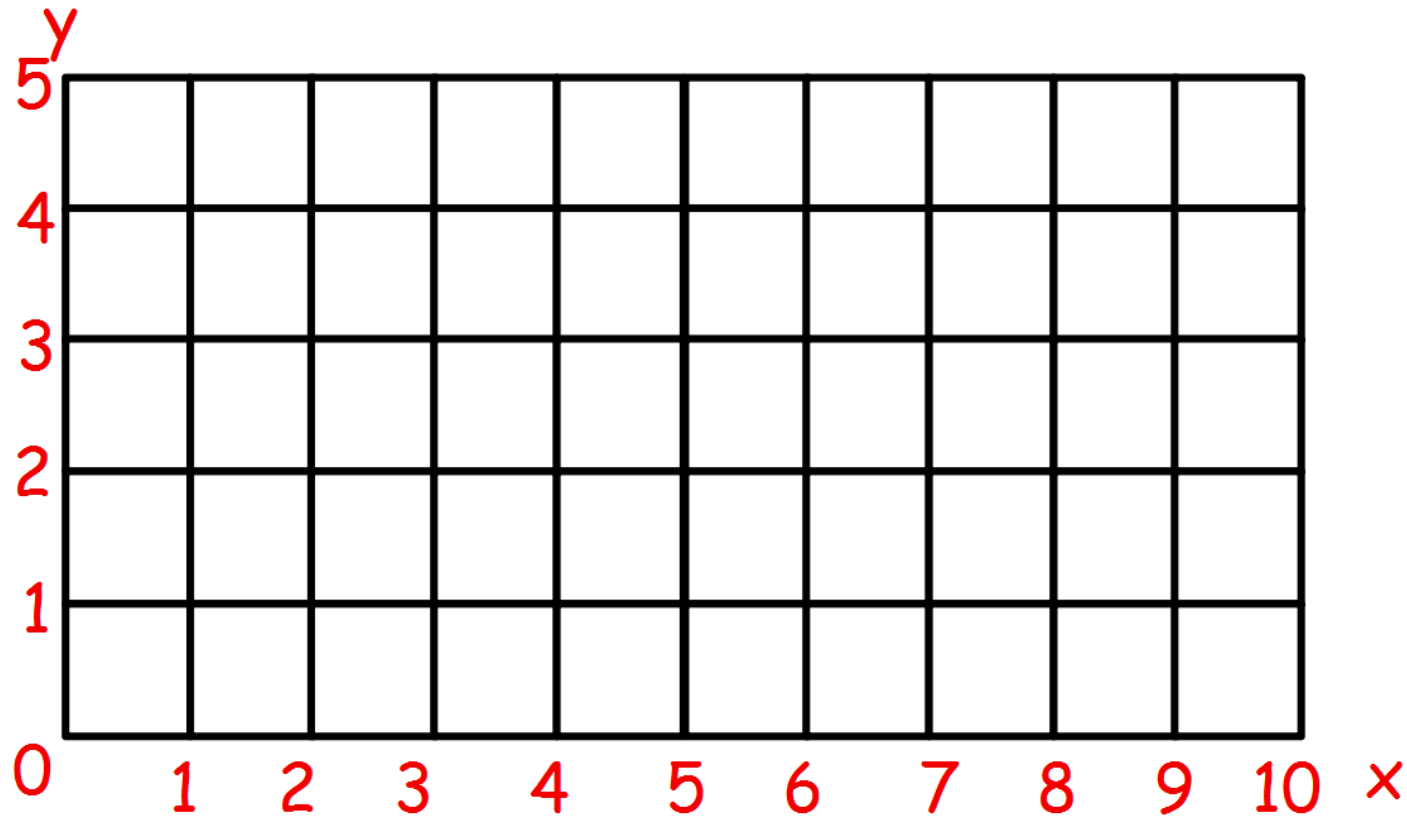
$$B = ( 6 , 2 )$$

$$C = ( 4 , 0 )$$

did you do x first, then y?

Plot these points:  $(x,y)$

$(9,1)$   $(0,1)$   $(4,0)$



What shape do you get if you join them together?

What is the name of this shape?



## Summary:

Always go across the hall up the stairs (x,y)

Make sure your axes numbers are on the line and equal distance apart.

The origin (0) is where the axes cross.

# Cut these out, plot the points and name the shape.

