



First quadrant

Year Four Position and Direction



Vocabulary

coordinate

quadrant

x-axis

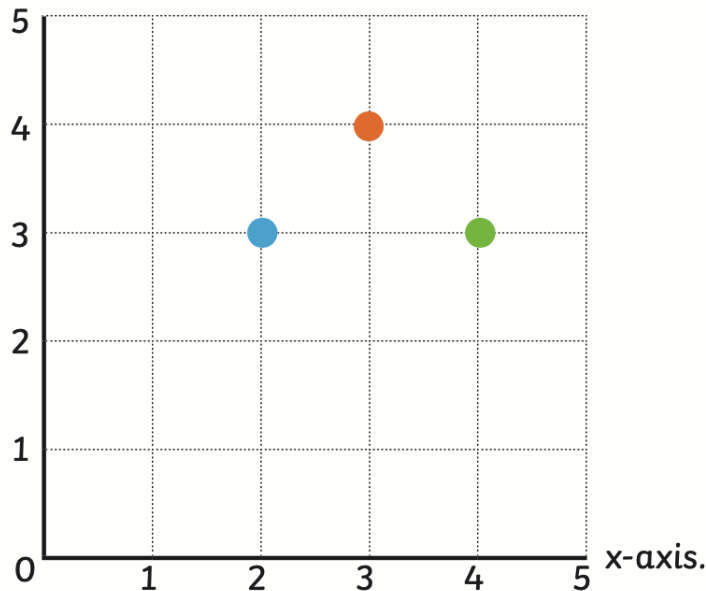
y-axis

translation

vertex

vertices

y-axis.



Co-ordinates are a useful way to locate a position on a map or grid.

The numbers across the horizontal line of the grid are the x-axis.

The numbers on the vertical line of the grid are on the y-axis.

We always read or write the number on the x-axis before the y-axis.

The x and y position are written in brackets with a comma.

The co-ordinate of the blue spot is (2,3)

To help you remember which point to read or write first, simply remember to move 'along the corridor and up the stairs.'

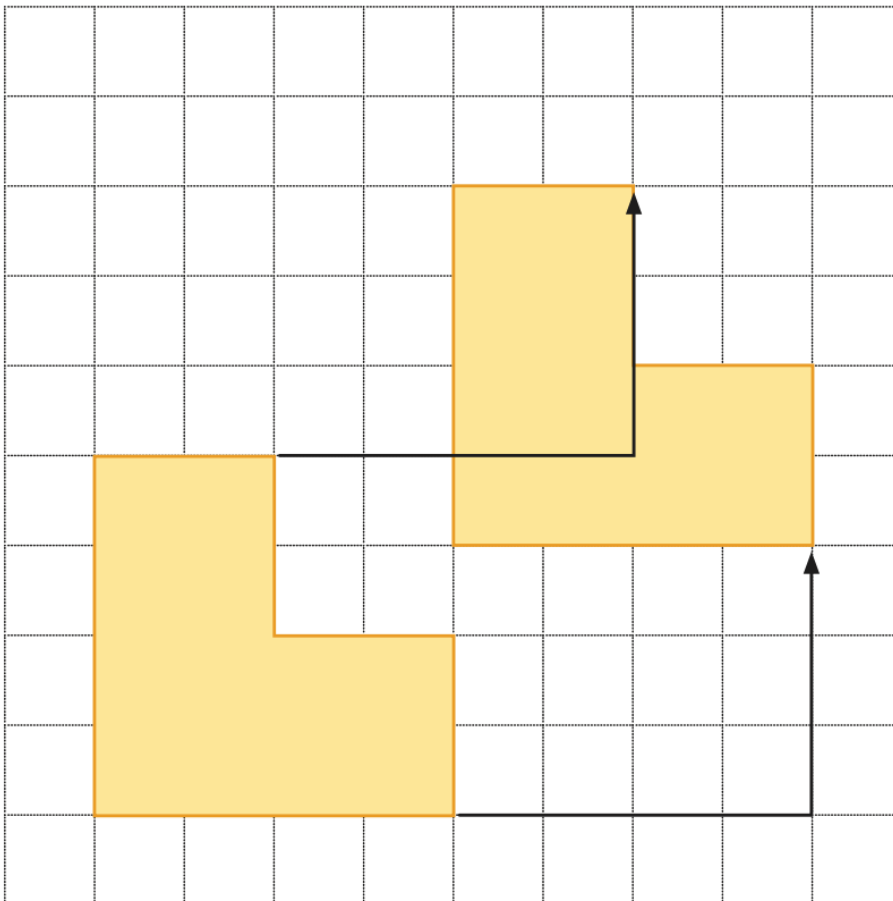
In other words, move on the x-axis and then move on the y-axis.



Translation

In maths, translation means moving an object on a grid. The object is moved without changing the size, turning or reflecting it.

When translating an object on a grid, it can move up or down, left or right.



Plotting 2d shapes

Each vertex (corner) of a 2D polygon can be represented as a co-ordinate on a 2D grid.

