


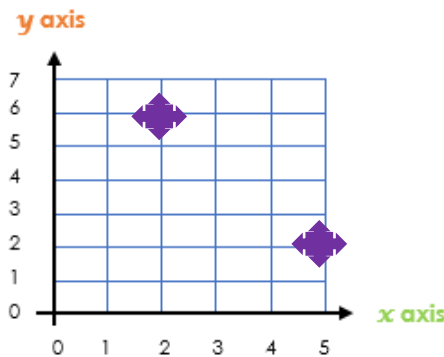
In maths, **translation** means to move. To translate a shape, we move it in one of these **directions**...



Just like when we are reading co-ordinates, when we translate a shape we move horizontally (**left/right**) first before moving vertically (**up/down**).

 is translated 3 right and 4 down.

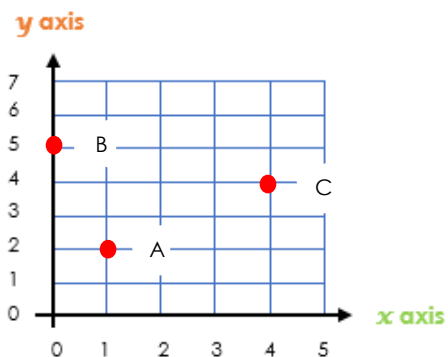
Co-ordinates before: **(2 , 6)** Co-ordinates after **(5 , 2)**



**VOCABULARY**

- translate/translation
- direction
- left
- right
- up
- down
- co-ordinates

As well as being able to translate a point, we need to be able to describe a translation...



A is translated to B. It moves 1 left and 3 up.

B is translated to C. It moves 4 right and 1 down.

A point has the co-ordinates (7 , 4) before it is translated 2 left and 3 down. What are the new co-ordinates?



Jessica

The new co-ordinates are **(4 , 2)**

Jessica is wrong. The correct answer is **(5 , 1)**. She has translated the point 3 left and 2 down.