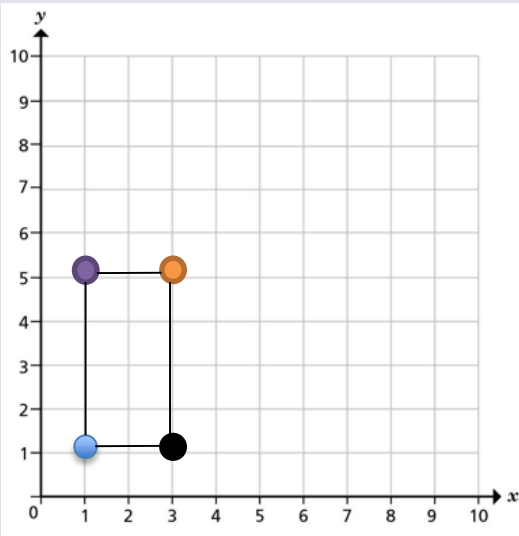


Co-ordinates – read using the x axis first then the y axis.

y axis

Co-ordinates are written with a comma between **(x,y)**



(1,1)

(3,1)

(1,5)

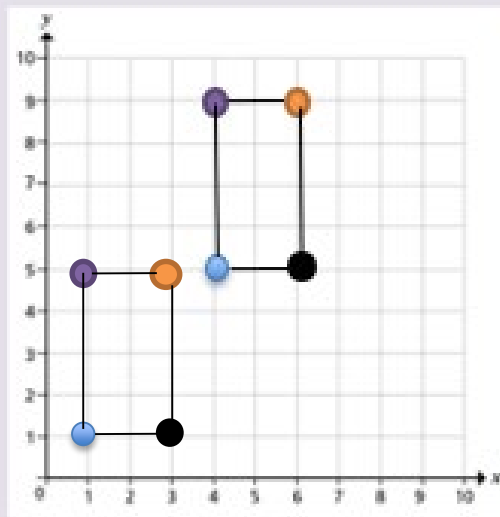
(3,5)

x axis

This shape has been **translated** right 3 and up 4.

Translation moves a shape without changing it's size or orientation.

The translated co-ordinates are:

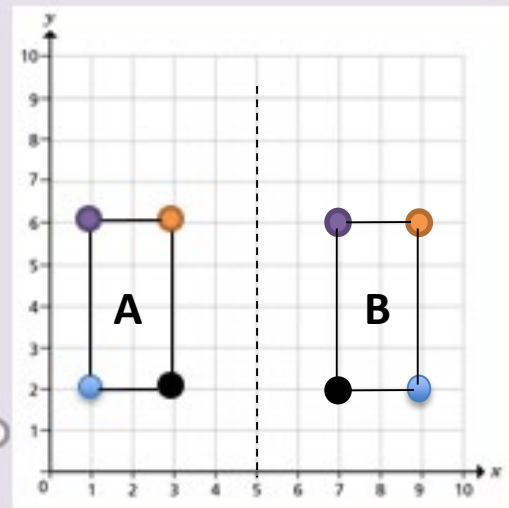


(4,5)

(6,5)

(4,9)

(6,9)



Shape A has been **reflected** in the vertical mirror line to give image B.
The reflected co-ordinates are:

(9,2) (7,6)

(7,2) (9,6)

Vocabulary

co-ordinate	A point on a grid to show how far along and how far up it is
x axis	The line that runs horizontally through zero
y axis	The line that runs vertically through zero
origin	The name of the co-ordinate (0,0)
reflection	An image or shape as it would be seen in a mirror
image	An shape or point after it has been reflected
translation	Moving a shape by 'sliding' it
horizontal	Left to right
vertical	Up and down