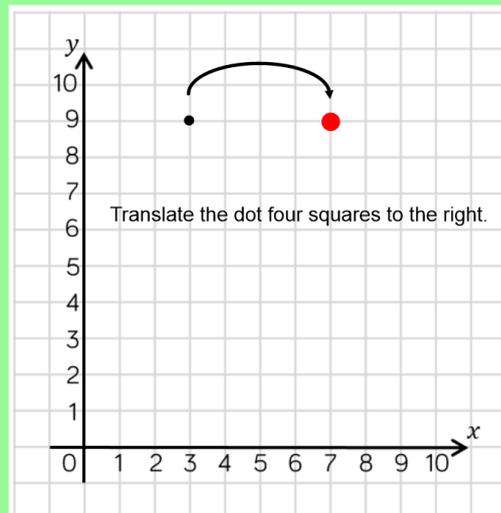


Y4 – Maths – Position – Lesson 3

LO: to move on a grid

Today, we're moving shapes and points on a coordinate grid following specific directions using language such as: left/right and up/down.

This is called **translation**.



1. Translate A four squares right and two squares down.

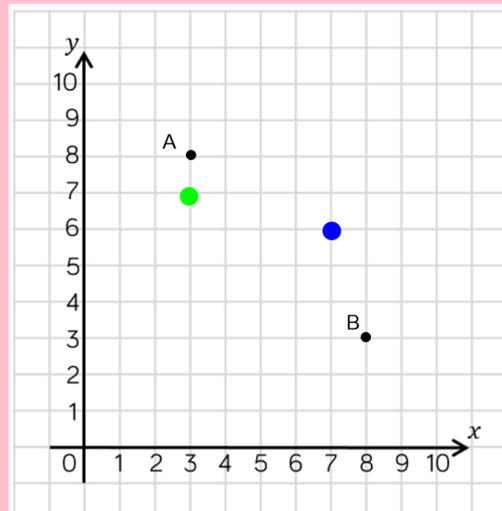
What are its new coordinates?

(7,6)

2. Translate B five squares left and four squares up.

What are its new coordinates?

(3,7)

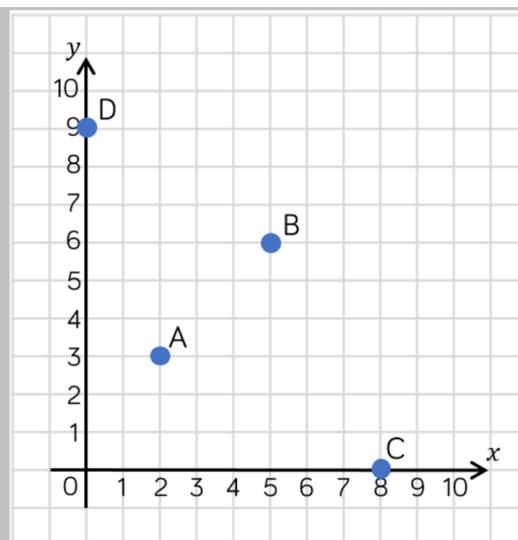


1. Translate A 6 right and 3 down.

Write its new coordinates.

2. Translate B and C 4 left and 3 up.

Write its new coordinates.



1. Translate the red square 5 right and 2 up.

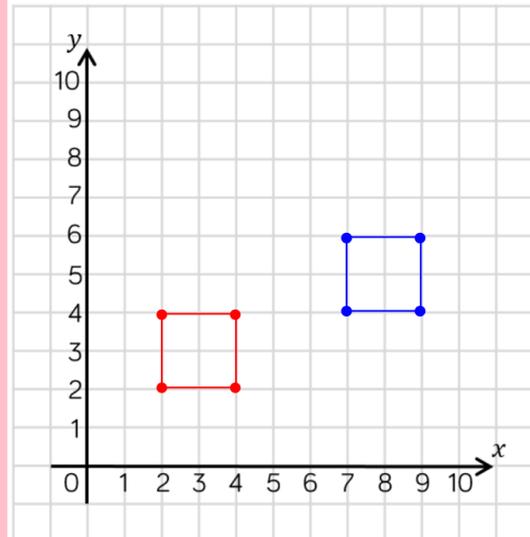
Write down the coordinates of each vertex of the rectangle before and after the translation.

Before

(2,2), (4,2), (2,4), (4,4)

After

(7,4), (9,4), (7,6), (9,6)

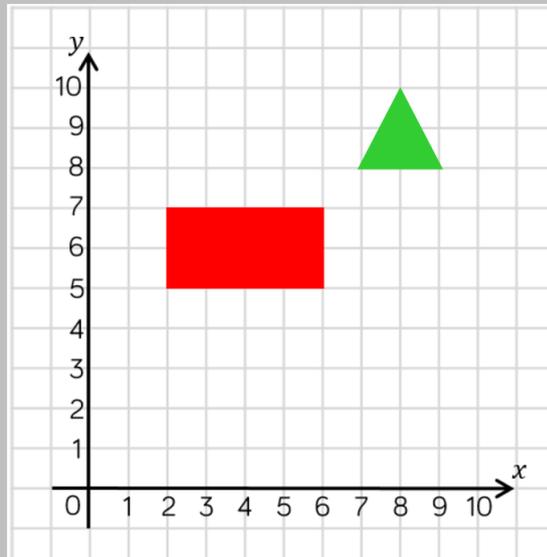


1. Translate the rectangle 2 right and 3 up.

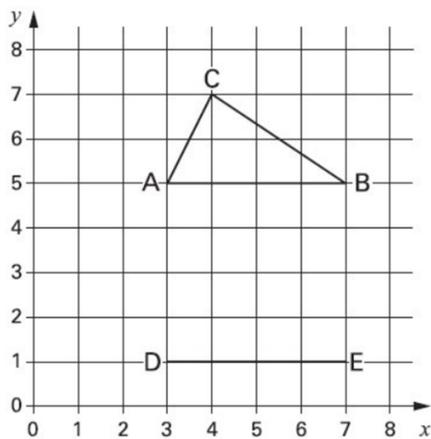
Write down the coordinates of each vertex of the rectangle before and after the translation.

2. Translate the triangle 2 left and 7 down.

Write down the coordinates of each vertex of the triangle before and after the translation.



Kyle has drawn triangle **ABC** on this grid.



Holly has started to draw an **identical** triangle **DEF**.

What will be the coordinates of point **F**?