

### Lesson 3 – WB 13/07

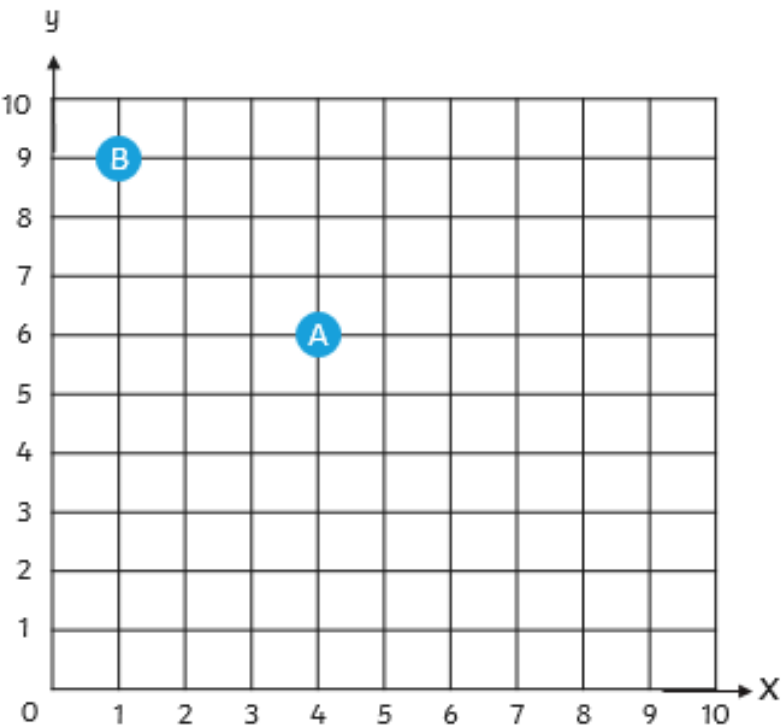
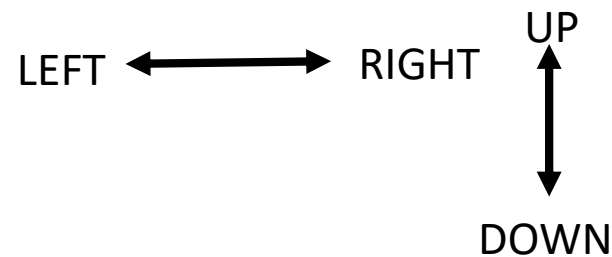
**LO: To describe movements between positions as translations of a given unit to the left/right and up/down**

#### Starter:

Number of the day: 2,996

- 1) Find 100 more
- 2) Subtract 99
- 3) Round it to the nearest 100
- 4) Find 10 more
- 5) Find 1000 less
- 6) Write the value of each digit
- 7) Divide it by 10
- 8) Find 0.1 less
- 9) Round to the nearest 10
- 10) How many more to make 10,000?

**Task 1:** Today we are going to build on our learning from the past two days by looking at translations using left/right and up/down to describe movement.



1) Look at the point A on the grid.

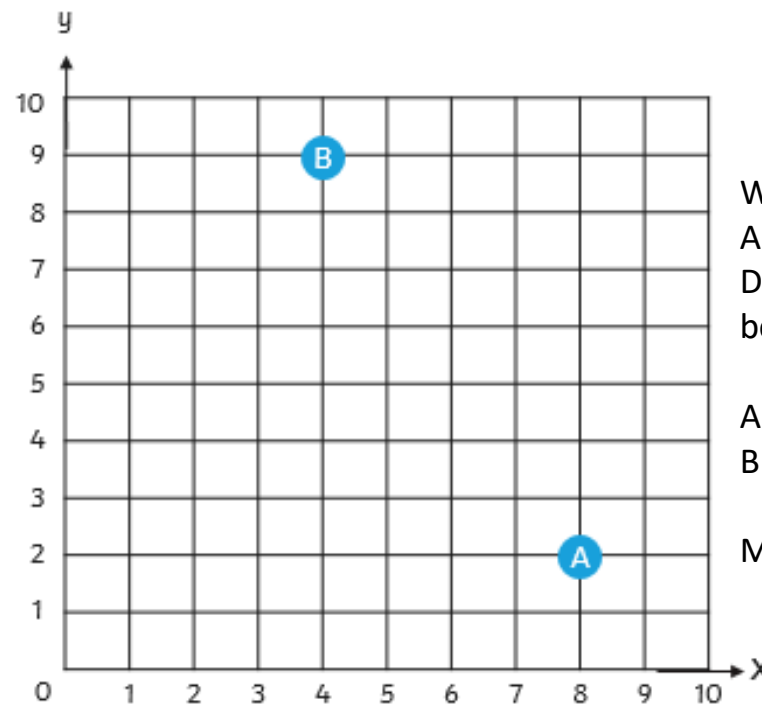
$$A = (4, 6)$$

$$B = (1, 9)$$

How can we describe the movement between A and B?

A to B is 3 squares left and 3 squares up.

It does not matter which movement you describe first (left/right or up/down).



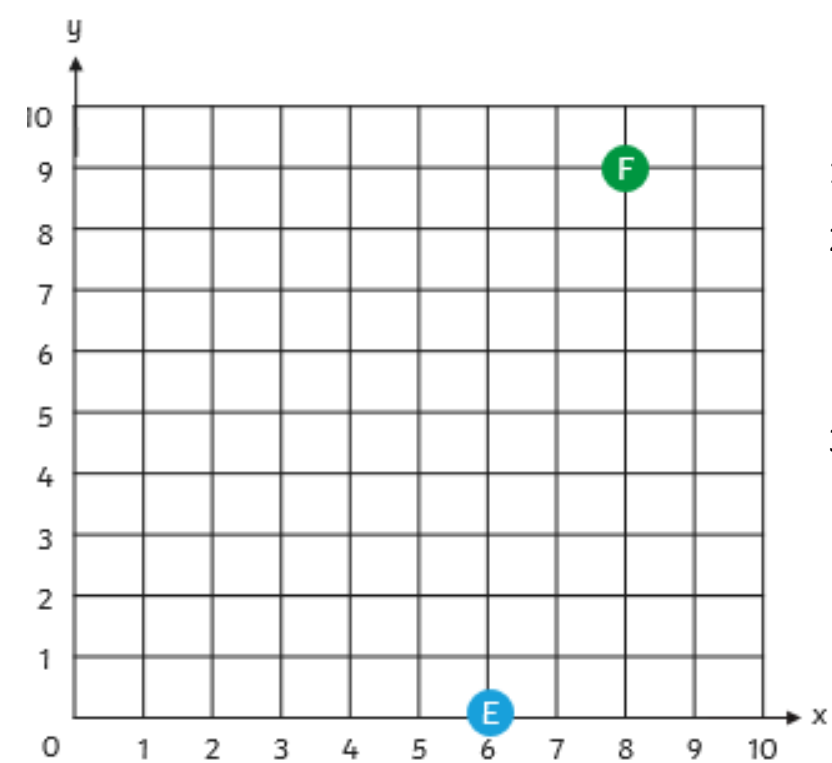
What are the coordinates of A and B?

Describe the movement between positions A and B.

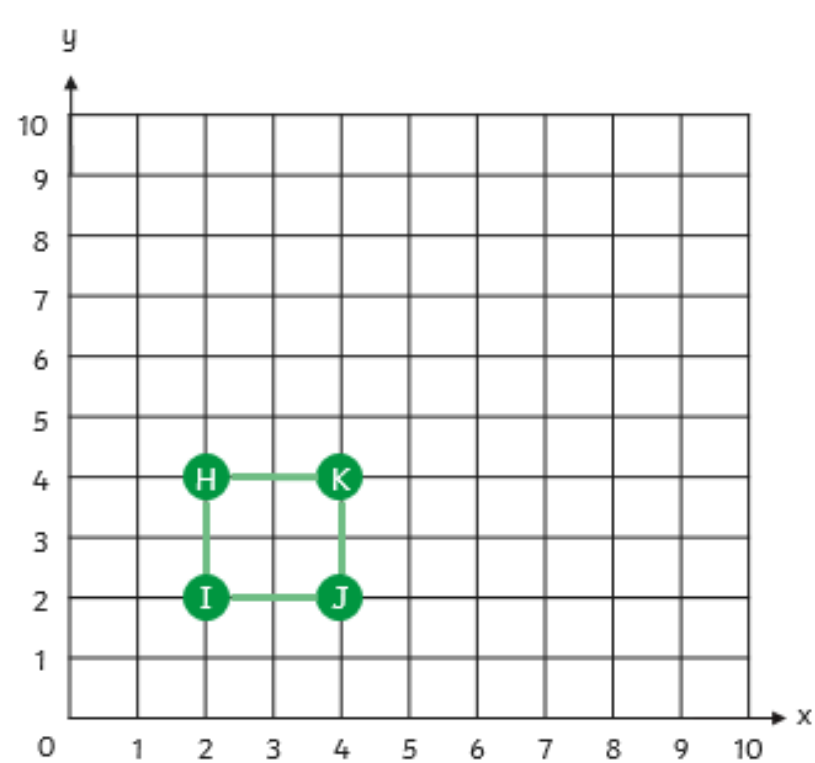
A =

B =

Movement =



- 1) Look at the grid. What are the coordinates of E?
- 2) Nico translates point E to point F by moving 2 squares right and 9 squares up. What are the coordinates of point F?
- 3) Now translate point F to point G by moving 5 squares left and 6 squares down. Add this to the grid.



On this grid there is a rectangle.

6) What are the coordinates for the points H, I, J and K?

H =

I =

J =

K =

7) Move each point 5 squares right and 6 squares up.

8) Write the coordinates for the new rectangle.

9) Translate the shape on the coordinate grid to the new coordinate grid.

Move point B to (4,3).

