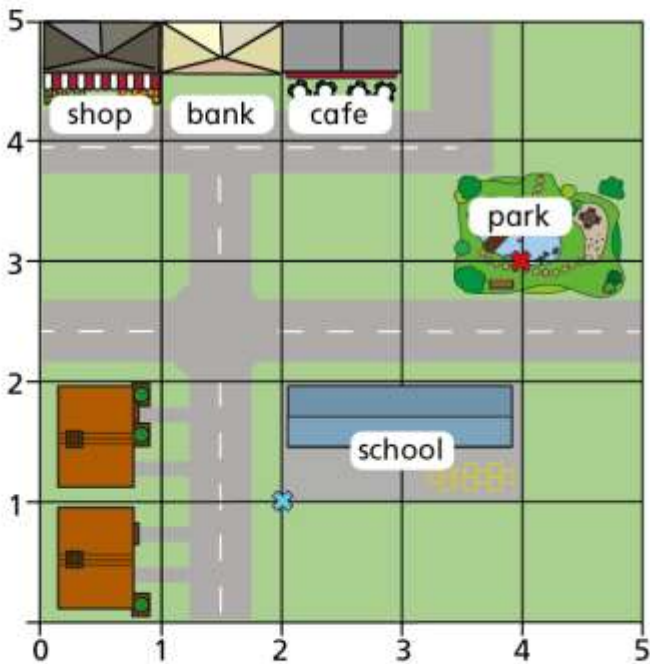


Move on a grid

1 Here is a map of part of a town.



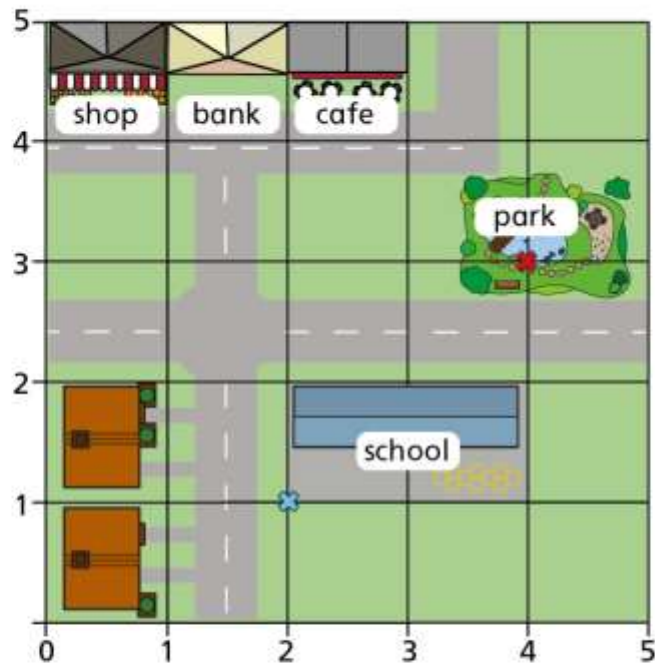
a) Annie is at the park at the coordinate (4, 3).

She moves 3 squares to the left.

Draw on the grid to show where Annie is now.

What are the coordinates of this point?

(,)



b) Mo is at school at the coordinate (2, 1).

He walks 2 squares up.

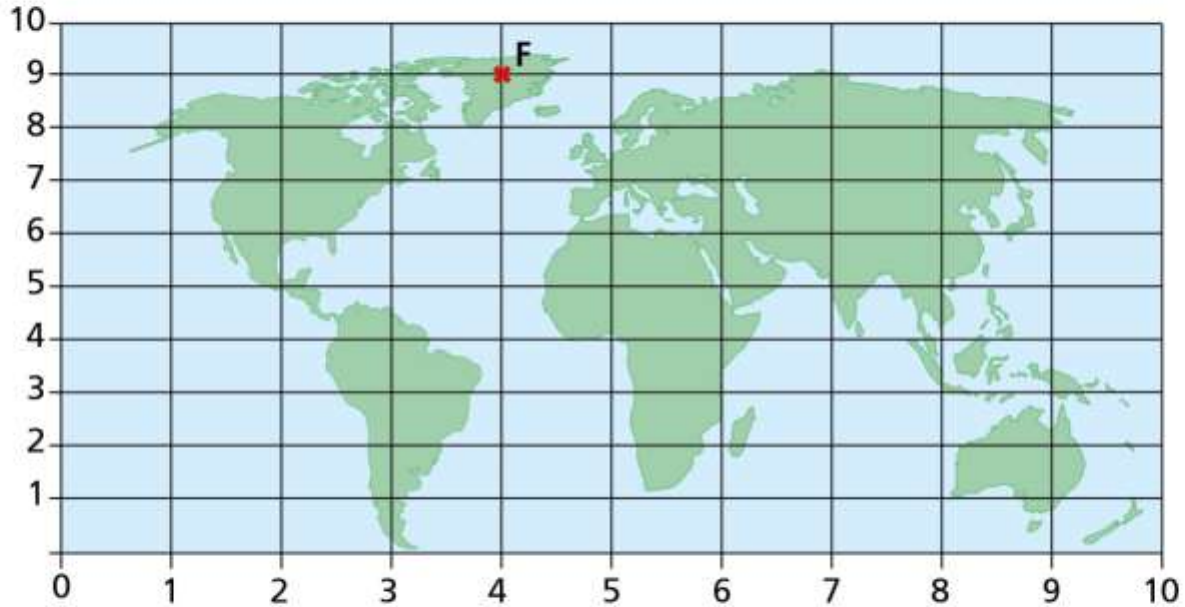
Draw on the grid to show where Mo is now.

What are the coordinates of this point?

(,)



2 A map of the world is shown on a grid.



Work from point F and trace down to get the X axis and along from point F to get the Y axis.

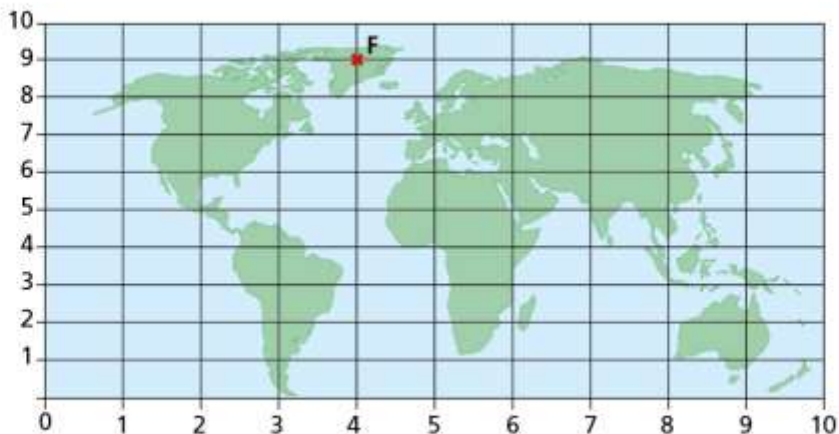
a) A plane is at point F.

What are the coordinates of this point?

(,)



2



- b) The plane takes off from point F and travels 2 right and 5 down.

Mark its new position on the grid and label this as point G.

What are the coordinates of point G?

(,)

- c) The plane now takes off from point G and travels 4 left and 2 up.

Mark its new position and label this point H.

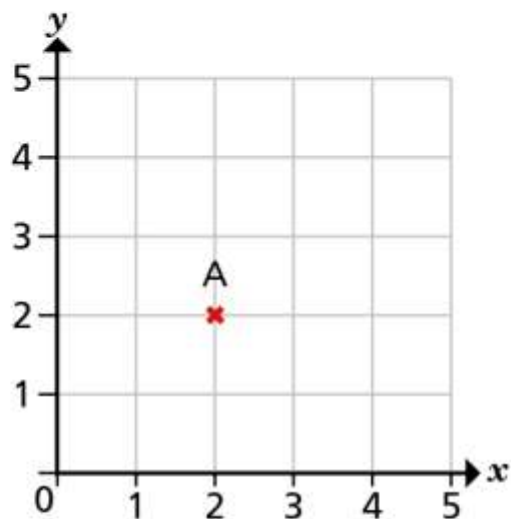
What are the coordinates of point H?

(,)



Translate –
moving a
shape/ point
with out
rotating it or
flipping it.

- 3 Point A is marked on the grid.



- a) What are the coordinates of point A?
- b) Translate point A 3 to the right and 2 up.
Label this point B and write its coordinates.
- c) Translate point B 3 to the left.
Label this point C and write its coordinates.

(,)

(,)

(,)

3

d) Translate point C 3 to the right and 2 down.

Label this point D and write its coordinates.

(,)

e) Join the points.

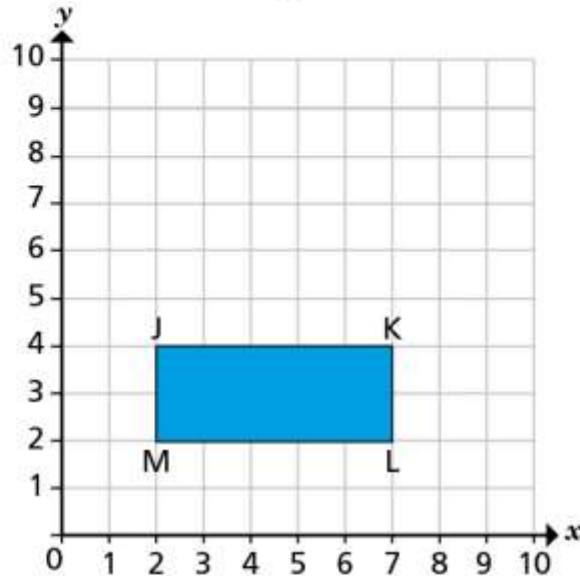
What shape have you made?

Create your own problem like this for a partner.



4

A rectangle is drawn on the grid.



a) Alex wants to translate the rectangle 3 to the right and 4 up.

I'm going to translate each individual vertex.

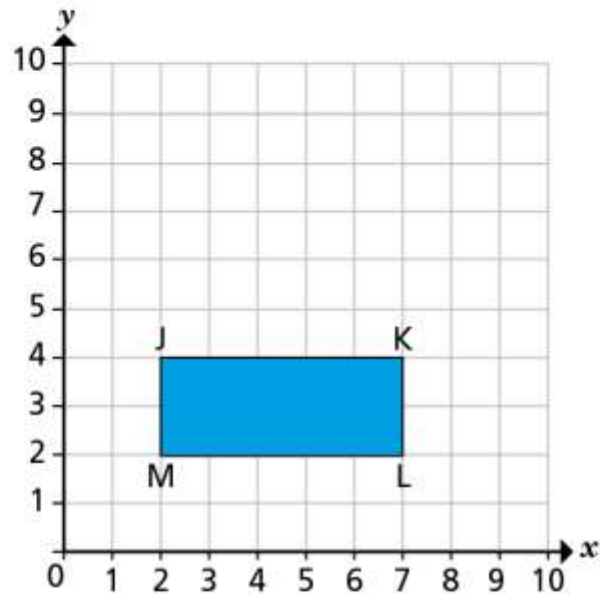


Will Alex's method work? _____

Talk about it with a partner.



4



b) Translate the rectangle 3 to the right and 4 up.

Complete the table to show the coordinates of each vertex before and after the translation.

Vertex	J	K	L	M
Before				
After				

