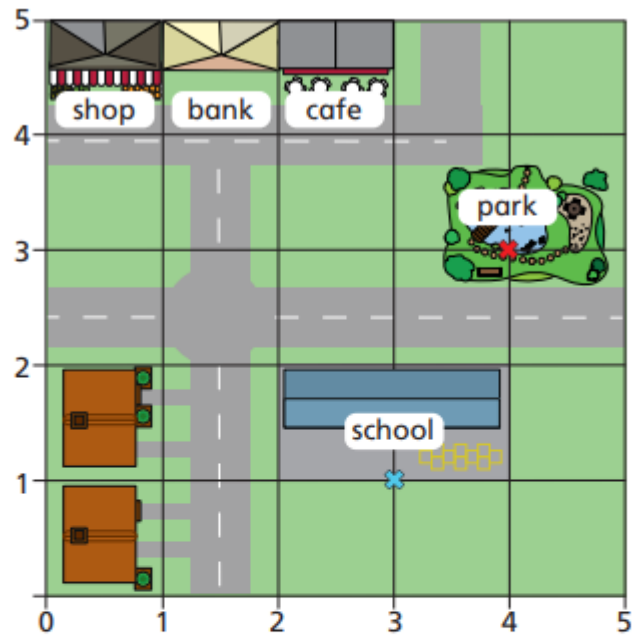
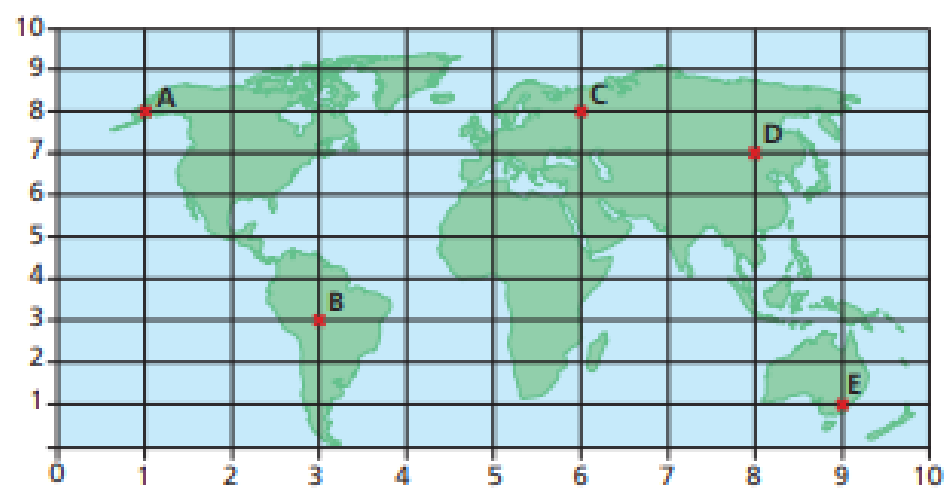


1 Here is a map of part of a town.



- a) Which place is next to the shop? _____
- b) Which place is next to the bank and close to the park? _____
- c) The front gates of the school have been marked with a cross.
Write the coordinates of the school gates. (,)
- d) The slide in the park has been marked with a cross.
Write the coordinates of the slide. (,)



a) Which point is at the bottom right of the grid?

b) Which two points are to the left of point C on the map?

_____ and _____

c) Write the coordinates of each location.

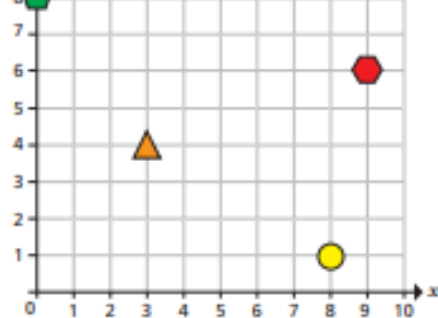
A (,)

D (,)

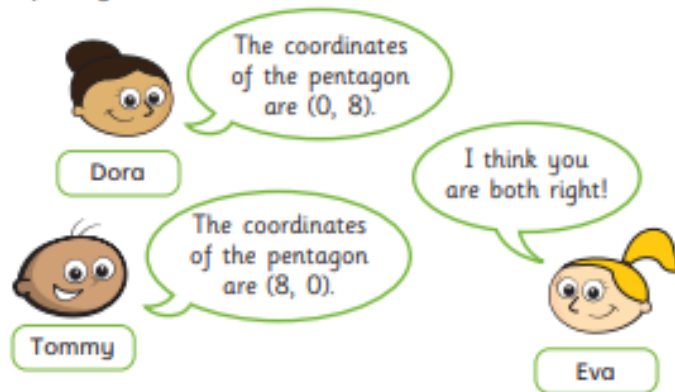
B (,)

E (,)

C (,)



- a) Tommy, Dora and Eva are working out the coordinates of the pentagon.



Who is correct? _____

Talk about it with a partner.

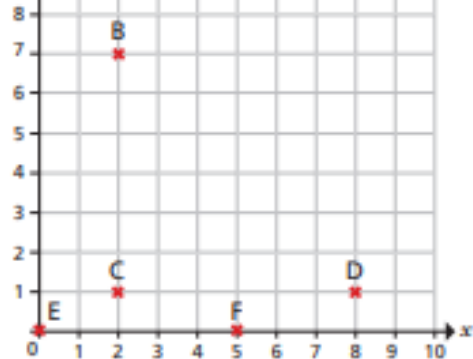
- b) Write the coordinates of the other shapes.

square (,)

triangle (,)

circle (,)

hexagon (,)



a) Write the coordinates of each point.

A (,) C (,) E (,)
 B (,) D (,) F (,)

b) Teddy and Alex each choose a point.



Teddy

Our x coordinates are the same.



Alex

My y coordinate is greater than Teddy's.

What points have Alex and Teddy chosen?

Alex (,) Teddy (,)

1 The cards show the coordinates of six points.

A (4, 4)

B (2, 3)

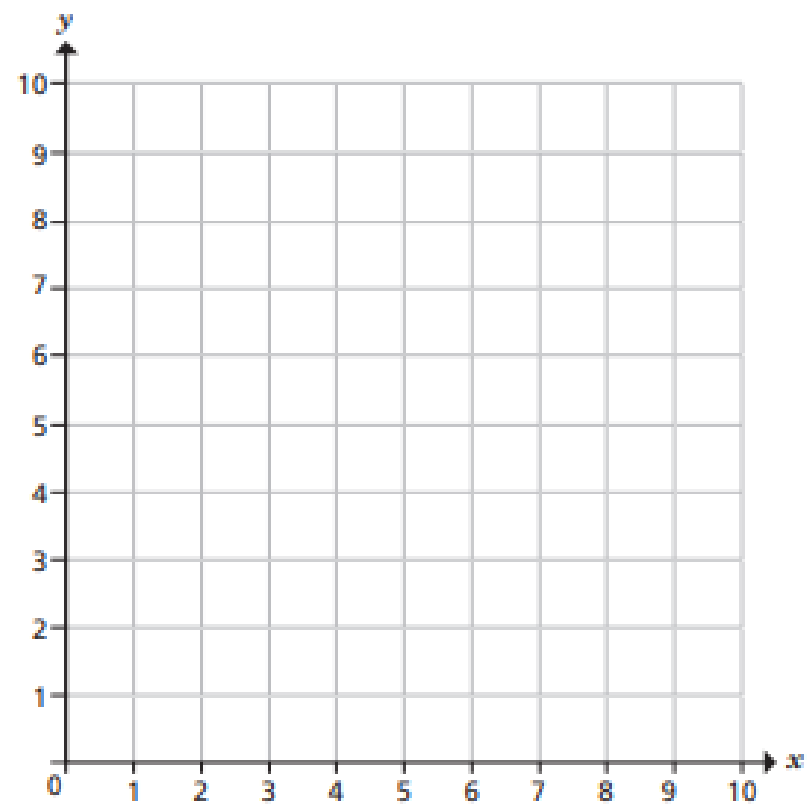
C (6, 4)

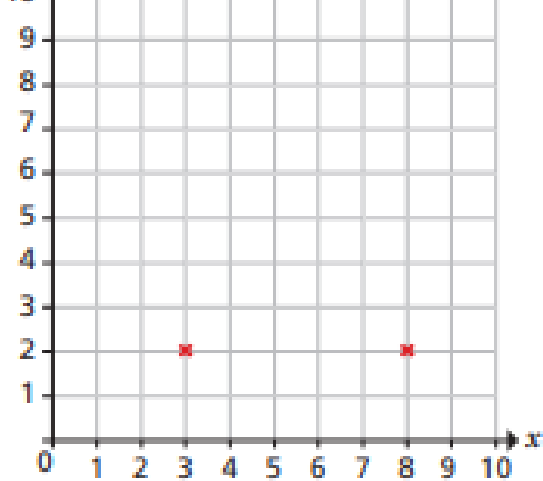
D (10, 8)

E (0, 5)

F (9, 0)

Plot and label the points on the grid.





a) What are the coordinates of the two vertices shown?

(,) and (,)

b) Give a possible coordinate for the third vertex,
if the triangle is right-angled.

(,)

c) Give a possible coordinate for the third vertex,
if the triangle is isosceles.

(,)

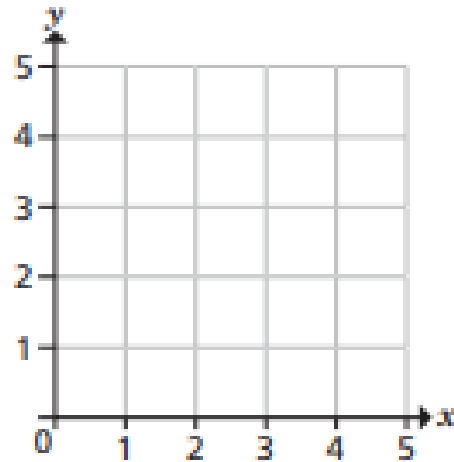
Compare answers with a partner.

Square A (1, 1) (1, 3) (3, 3) (3, 1)

Square B (2, 2) (2, 4) (4, 4) (4, 2)

a) Do you think the squares will overlap? _____

b) Draw on the grid to check your answer.



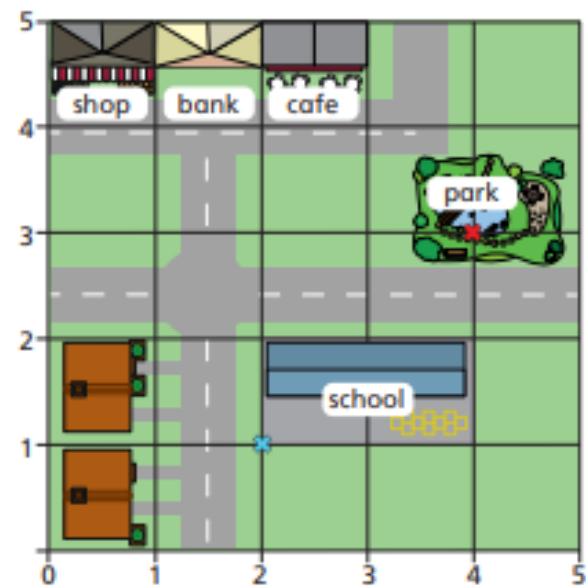
The coordinates of one vertex of a square are (10, 10).

Give possible coordinates for the other three vertices.

(,) (,) (,)

How many different answers can you find?

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.

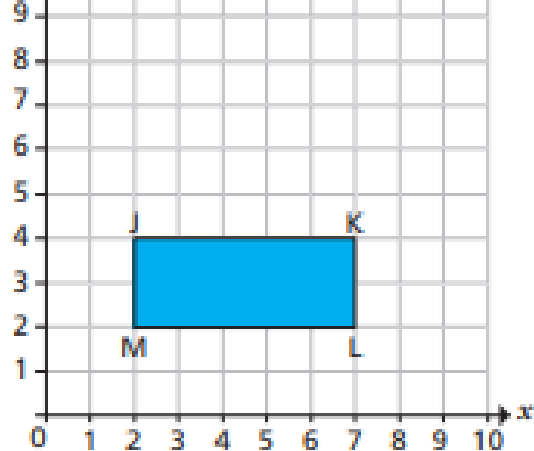
What are the coordinates of this point? (,)

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

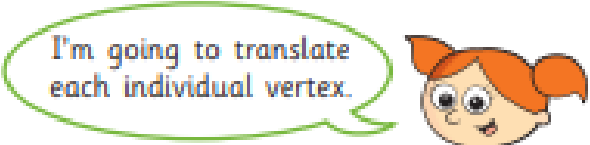
He walks 2 squares up.

Draw on the grid to show where Mo is now.

What are the coordinates of this point? (,)



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



Will Alex's method work? _____

Talk about it with a partner.

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	Before	After
J		
K		
L		
M		