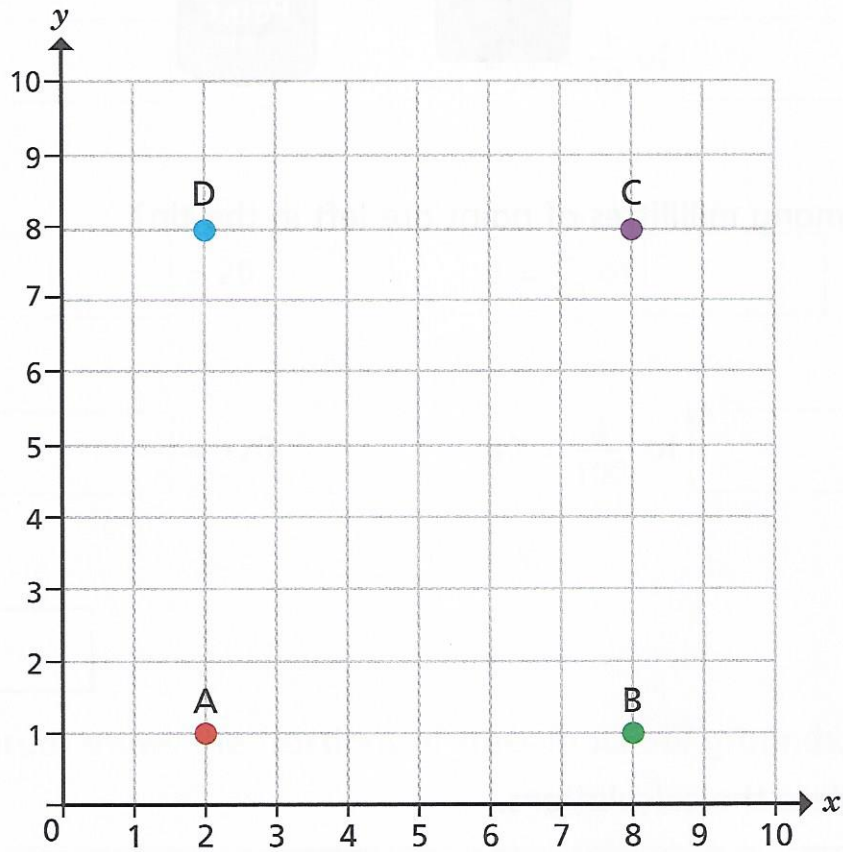


The first quadrant

I



a) Write the coordinates of the points A, B, C and D.

A (,)

C (,)

B (,)

D (,)

b) Draw lines to join the points A to D to form a rectangle.

c) Write the coordinates of four different points in each column of the table.

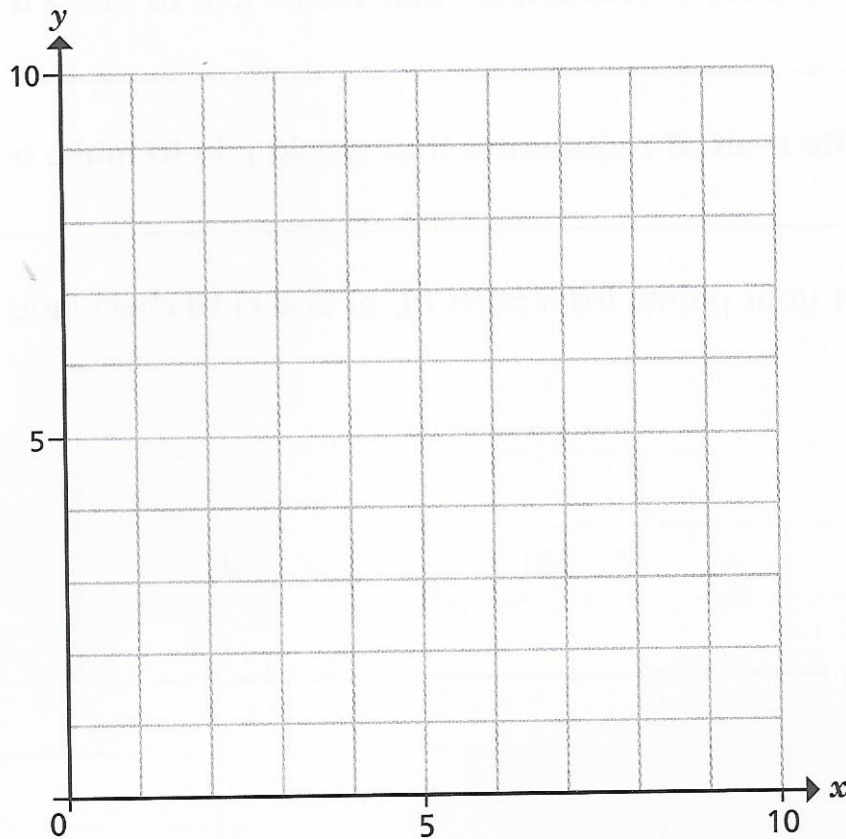
Inside the rectangle	Outside the rectangle	On the perimeter of the rectangle
(5, 3)		

2

Here are coordinates for three vertices of a rectangle.

(3, 6) (7, 3) (7, 6)

a) Plot the coordinates.



b) Write the coordinates of the fourth vertex.

(,)

3

Here are coordinates for two vertices of a square.

(5, 2) (5, 6)

What could the coordinates of the other two vertices be?

Give two possible solutions.

(,) and (,)

(,) and (,)



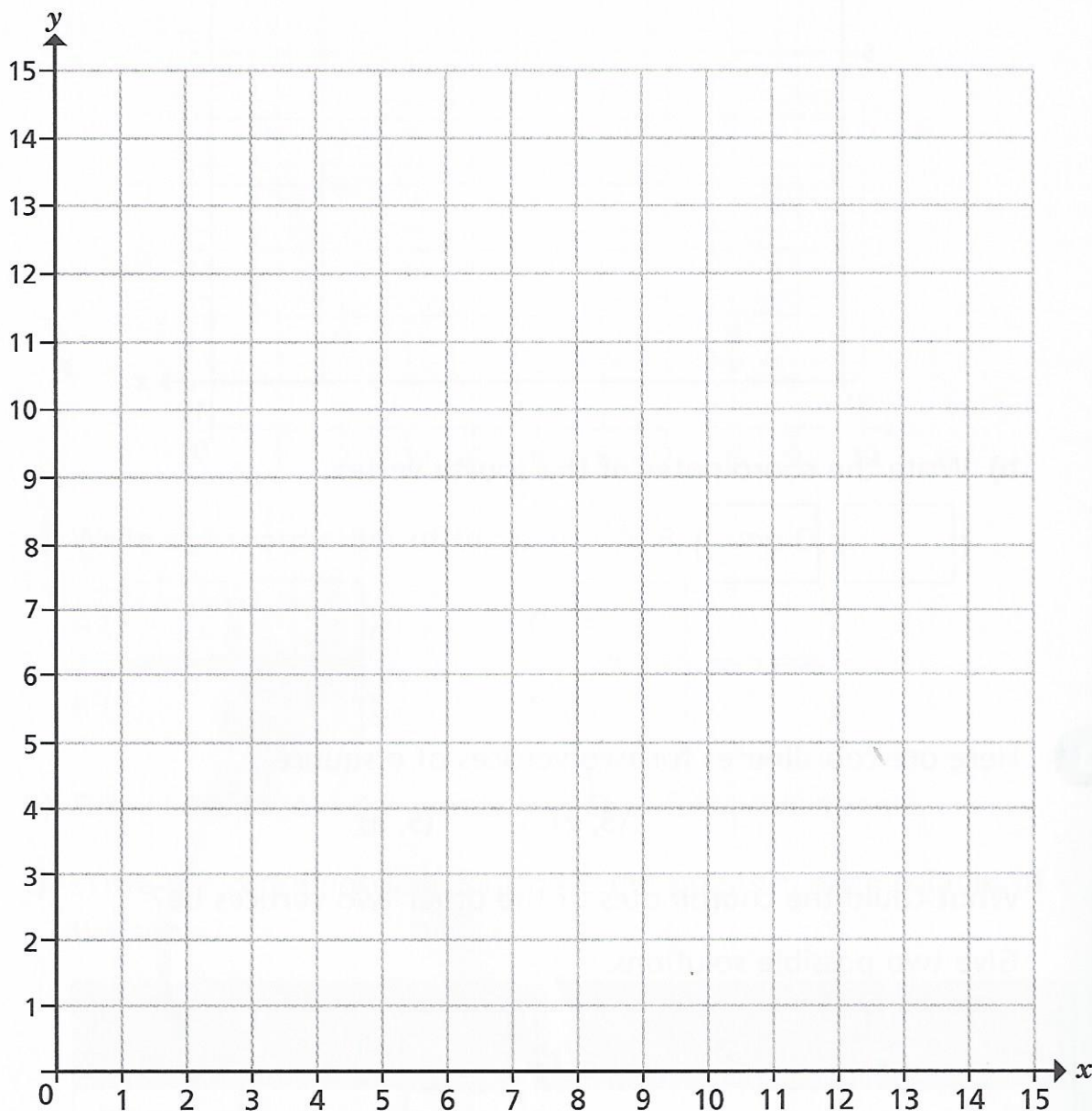
4

a) Write a set of coordinates that would join to make a right-angled triangle.

b) Write a set of coordinates that would join to make a pentagon.

c) Write a set of coordinates that would join to make a trapezium.

d) Plot your points from parts a), b) and c) to check you are correct.



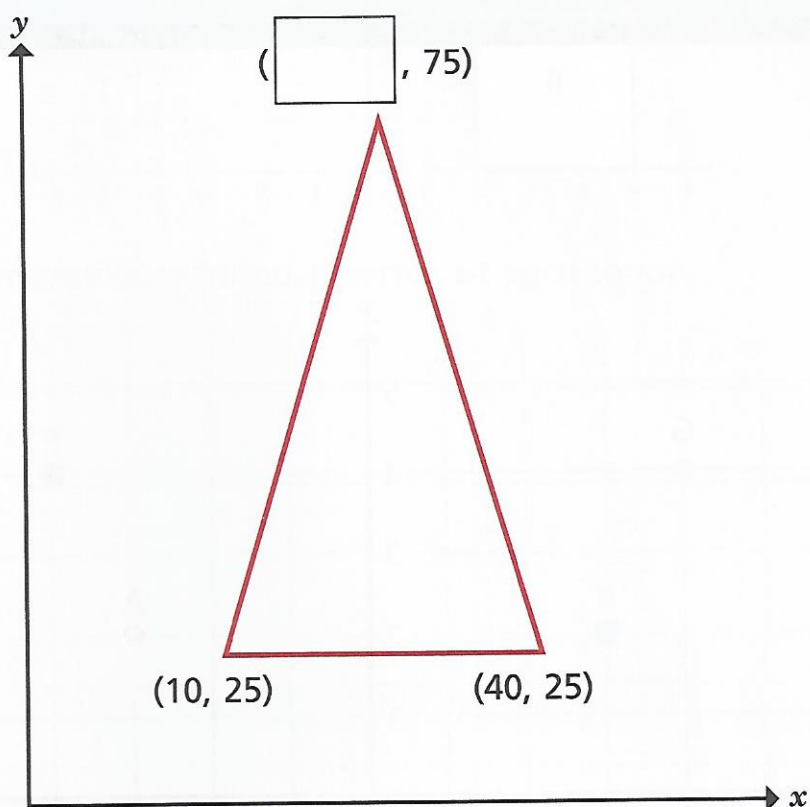
Compare shapes with a partner.

What is the same? What is different?

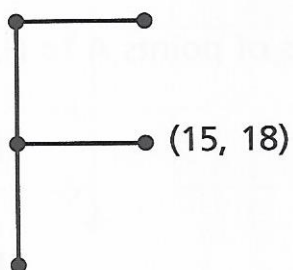




- 5 Complete the coordinate for the isosceles triangle.



- 6 Eva has drawn an F on a coordinate grid. One point is labelled. Suggest possible values for the other points and label them on the diagram.



Compare answers with a partner.

Is there more than one possible set of answers?

