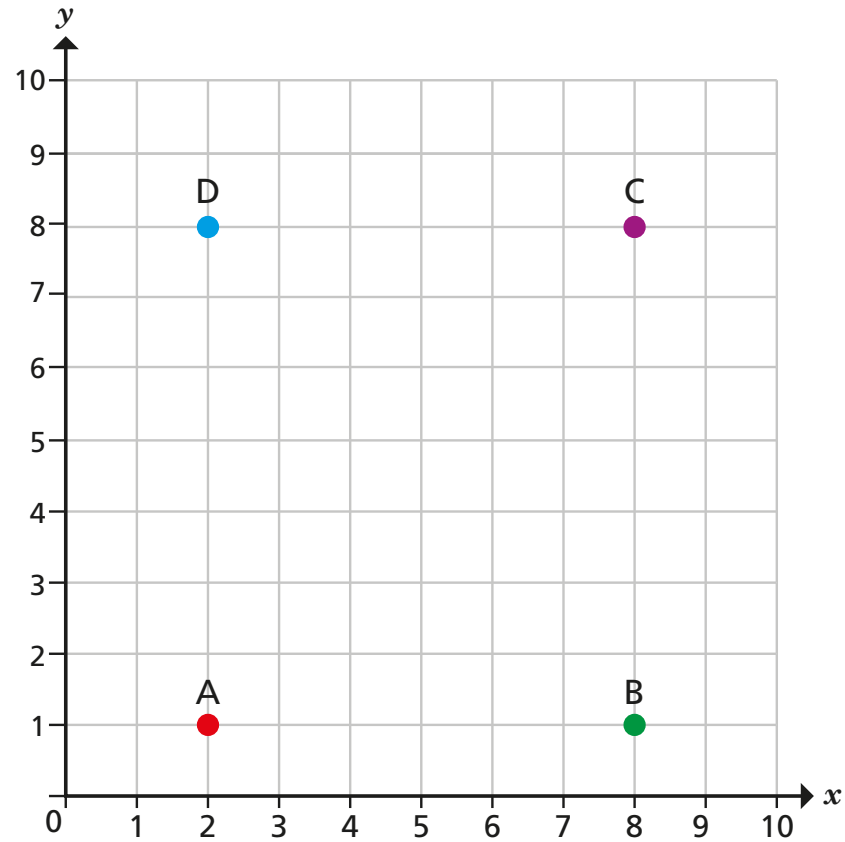


# The first quadrant

1



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 4 different points in each column of the table.

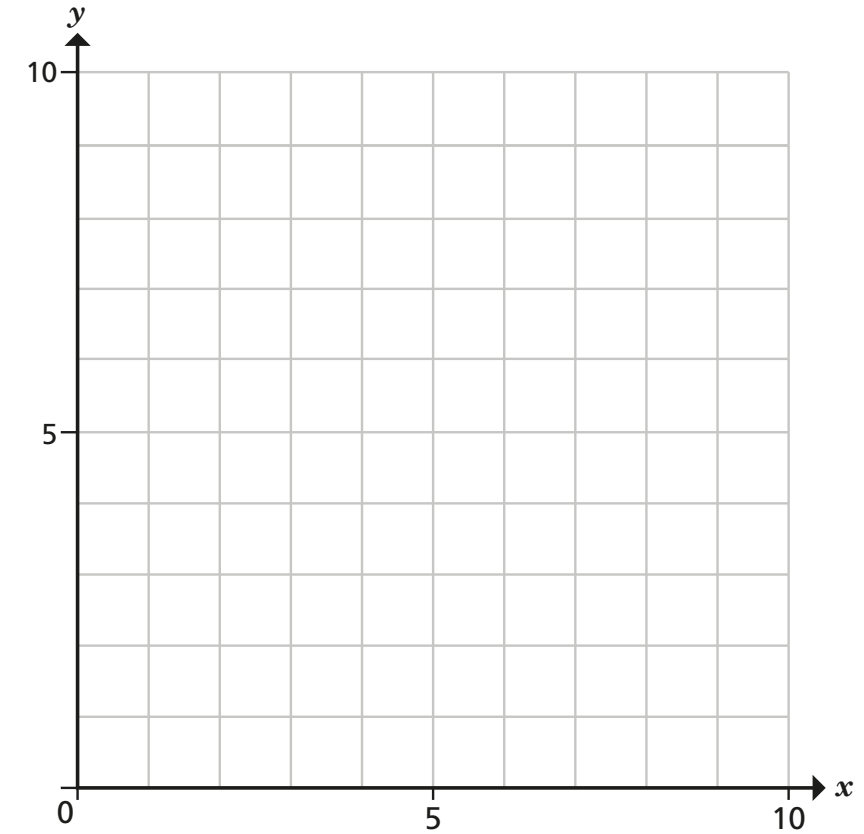
Inside the rectangle	Outside the rectangle	On the perimeter of the rectangle
(5, 3)		

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.

\_\_\_\_\_

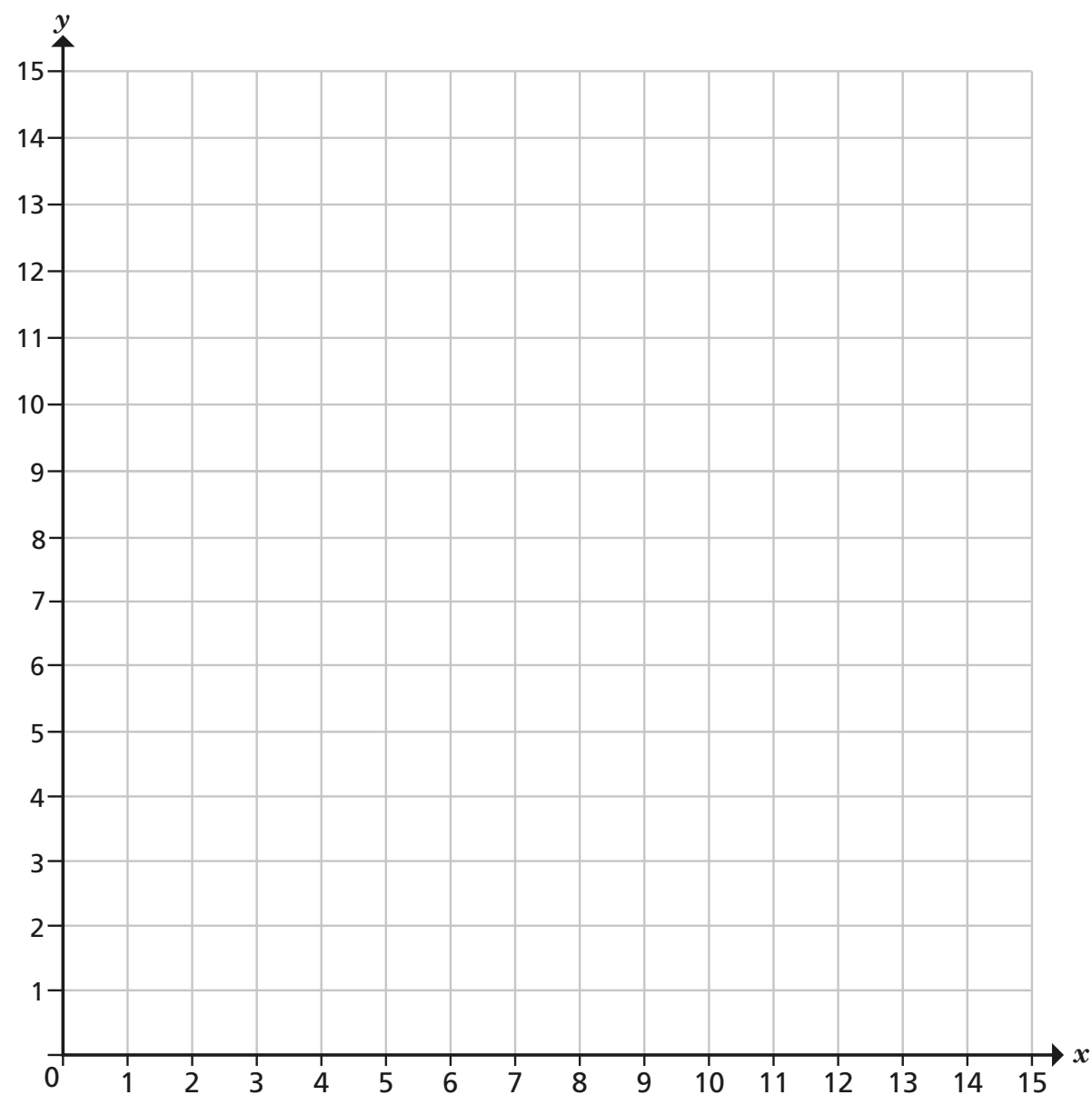
- b) Write a set of coordinates that would join to make a pentagon.

\_\_\_\_\_

- 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.

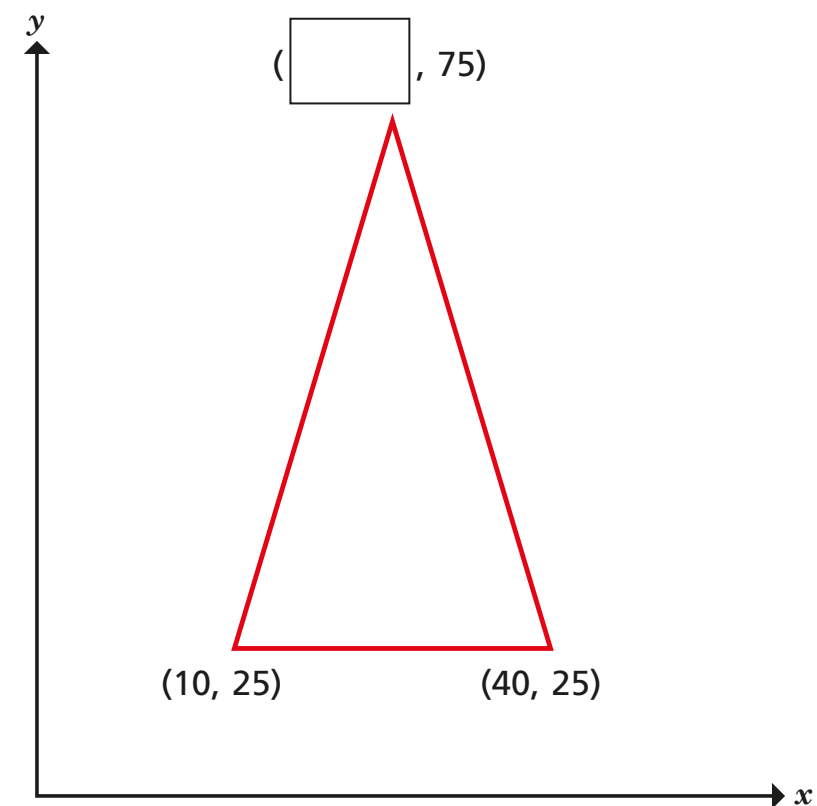


Compare shapes with a partner.

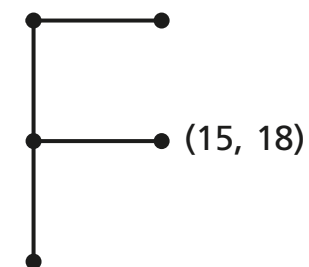
What is the same? What is different?



- 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?

