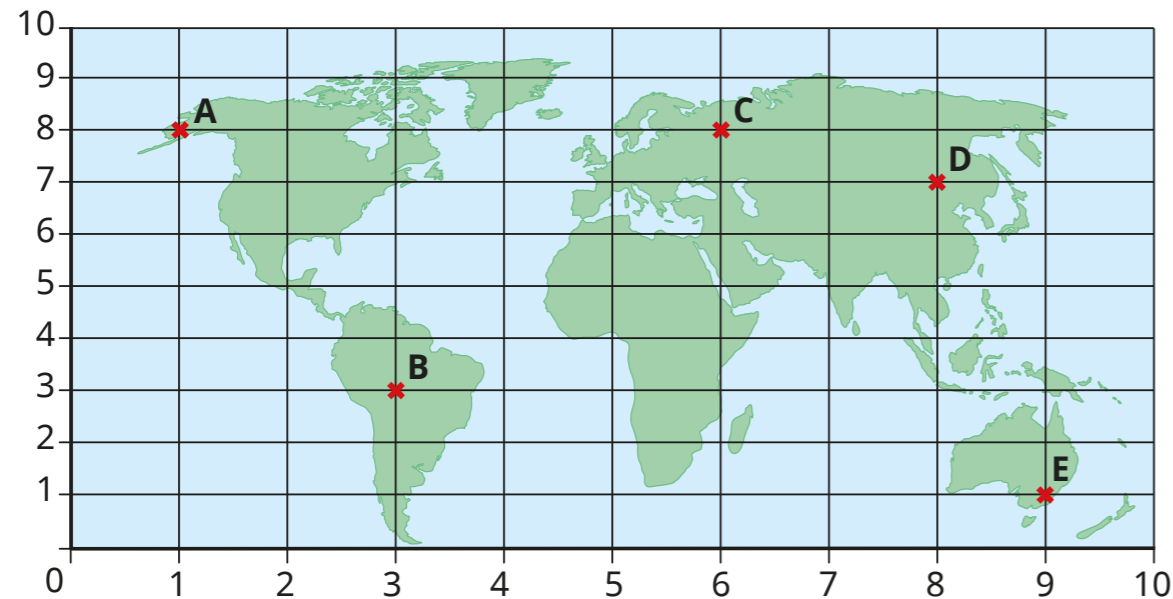# Describe position using coordinates

1 A map of the world is drawn on a grid.

Some locations are marked at points A to E.

Match the points to the coordinates.

| A | B | C | D | E |

| (6, 8) | (1, 8) | (8, 7) | (9, 1) | (3, 3) |

2 Use the words to complete the sentences.

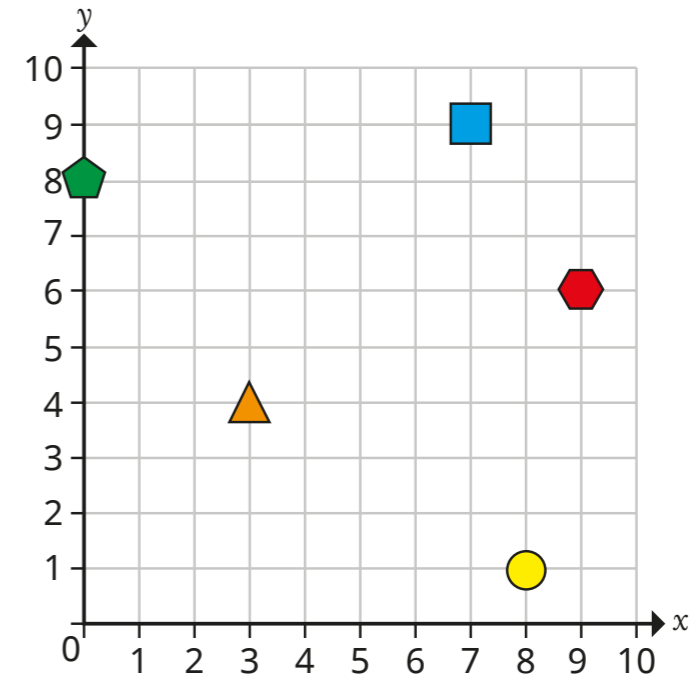| horizontal | vertical | x | y |

The first value in a pair of coordinates is the _____ value.
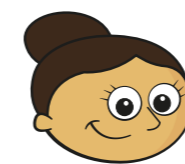
This is the value on the _____ axis.

The second value in a pair of coordinates is the _____ value.

This is the value on the _____ axis.
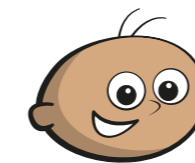
3 Some shapes are drawn on a grid.

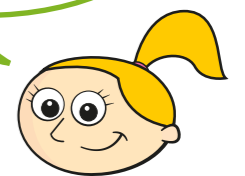**a)** Tommy, Dora and Eva are working out the coordinates of the pentagon.

Dora: The coordinates of the pentagon are (0, 8).

Tommy: The coordinates of the pentagon are (8, 0).

Eva: I think you are both right!

Who is correct? _____

Talk about it with a partner.

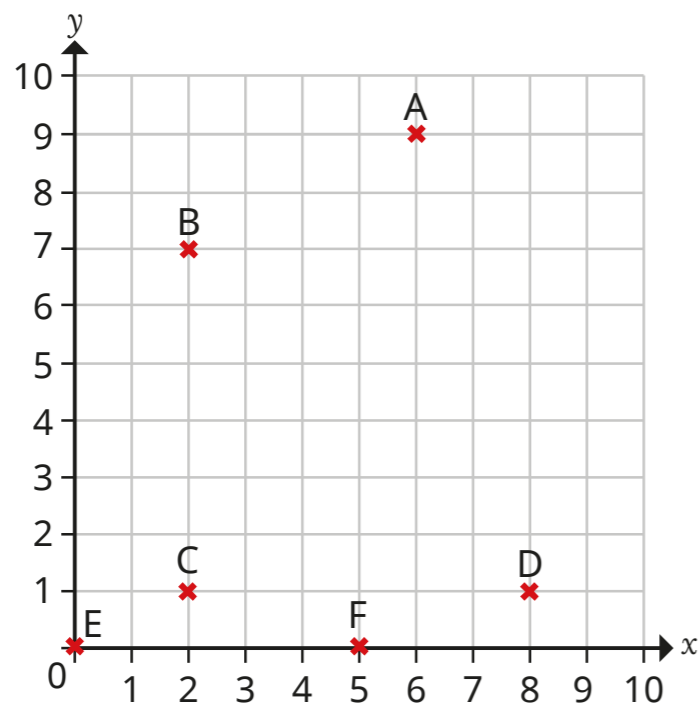**b)** Write the coordinates of the other shapes.

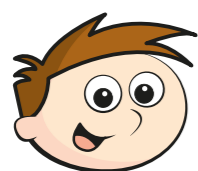square (☐ , ☐)   triangle (☐ , ☐)

circle (☐ , ☐)   hexagon (☐ , ☐)

4 Six points are drawn on a grid.

a) Write the coordinates of each point.

A (☐ , ☐)   C (☐ , ☐)   E (☐ , ☐)

B (☐ , ☐)   D (☐ , ☐)   F (☐ , ☐)

b) Teddy and Alex each choose one of the points that have been drawn.

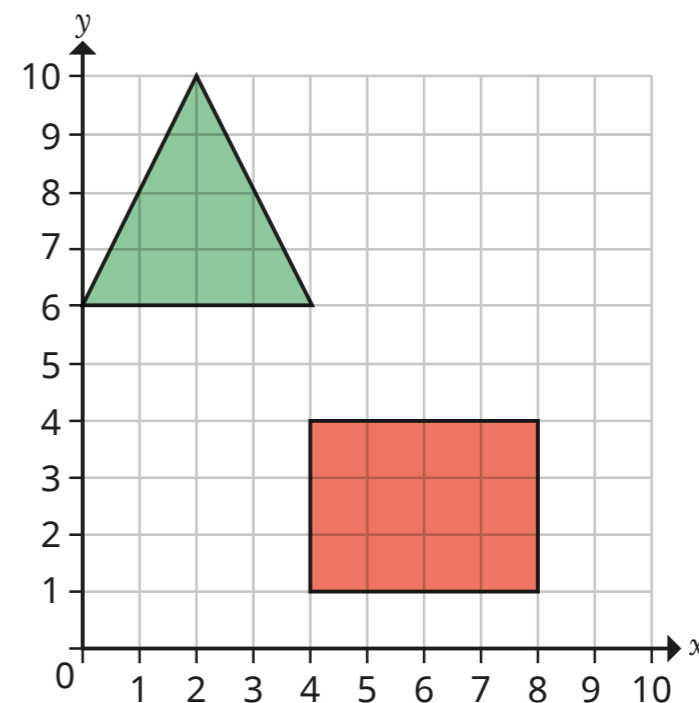Teddy: Our x-coordinates are the same.
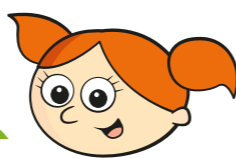
Alex: My y-coordinate is greater than Teddy's.

Write the coordinates of the points that Alex and Teddy have chosen.

Alex (☐ , ☐)   Teddy (☐ , ☐)

5 Two shapes are drawn on a grid.

a) Write the coordinates of the vertices of the triangle.

(☐ , ☐)   (☐ , ☐)   (☐ , ☐)

b) Write the coordinates of two points inside the rectangle.

(☐ , ☐)   (☐ , ☐)

Compare answers with a partner.

c) Draw another shape on the grid.

Write the coordinates of your shape.

_____

_____