

Y4 Coordinates

KS2 Y4 Maths · Follows the national curriculum

Name _____ Class _____ Date _____

1. Worked example

Plot the point (3, 5).

Step 1 · Start at (0, 0), the origin

The corner where the axes meet

Step 2 · The first number is across the x-axis

Go 3 across

Step 3 · The second number is up the y-axis

Go 5 up and mark the point

Answer: (3, 5) is 3 across and 5 up

Check: Remember: along the corridor, then up the stairs ✓

2. Now try one with the steps

A point is 6 across and 2 up. Write its coordinates.

Step 1 · Across first

Step 2 · Then up

Answer:

3. Practice

Have a go at each one. There is space underneath to work it out.

1. In the coordinates (4, 7), how far across do you go?

2. In the coordinates (4, 7), how far up do you go?

3. A point is 5 across and 3 up. Write its coordinates.

4. What are the coordinates of the origin?

5. A point is on the x-axis, 6 across. Write its coordinates.

6. A point is on the y-axis, 2 up. Write its coordinates.

7. Are (3, 8) and (8, 3) the same point? Write yes or no.

8. Point A is (2, 3). Point B is 4 squares to the right of A. What are B's coordinates?

9. Point C is (5, 1). Point D is 3 squares above C. What are D's coordinates?

10. Three corners of a square are (2, 2), (5, 2) and (5, 5). What is the fourth corner?

11. Three corners of a rectangle are (0, 1), (4, 1) and (4, 3). What is the fourth corner?

12. Plot (1, 1), (5, 1), (5, 4) and (1, 4) and join them in order. What shape have you drawn?

13. Plot (3, 0), (6, 3), (3, 6) and (0, 3) and join them in order. What shape have you drawn?

14. A square has corners at (1, 2) and (4, 2). Its other corners are above them. Give the other two corners.

4. Before you hand it in

Plotting (3, 5) as 3 up and 5 across.

Across first, then up: 'along the corridor, then up the stairs'. x comes before y in the alphabet too.

Plotting points in the middle of squares.

Coordinates mark where the lines cross, not the spaces between them.

Starting to count from 1 instead of 0.

Start at (0, 0) and count the jumps along each axis.

Writing coordinates without brackets or a comma, like 35.

Always write them as (3, 5): brackets, x, comma, y.