

PLOTTING COORDINATES

Answer all of these questions. Remember to show your working out in all questions.

SPIRAL



S1.

$$\frac{1}{2} \times \frac{1}{3}$$

S2.

2, 4, 6, ...

S3.

A triangle has angles 30° and 60° .
What is the third angle?

S4.

A bag has 3 red marbles and 1 blue marble. What is the probability of picking a red marble?

DEVELOP

CORBETT VIDEO: https://youtu.be/nks7_-gO-Ps

1.

Plot (2, 3)

Step 1: Start at the origin (0,0)

Step 2: Move 2 units right along the x-axis

Step 3: Move 3 units up along the y-axis

Step 4: Mark the point

2.

Plot (0, 4)

Step 1: Start at the origin (0,0)

Step 2: Stay on the y-axis ($x=0$)

Step 3: Move 4 units up

Step 4: Mark the point

3.

Plot (5, 0)

Step 1: Start at the origin (0,0)

Step 2: Move 5 units right along the x-axis

Step 3: Stay on the x-axis ($y=0$)

Step 4: Mark the point

4.

Plot (1, 1)

Step 1: Start at the origin (0,0)

Step 2: Move 1 unit right along the x-axis

Step 3: Move 1 unit up along the y-axis

Step 4: Mark the point

5.

Plot (4, 2)

Step 1: Start at the origin (0,0)

Step 2: Move 4 units right along the x-axis

Step 3: Move 2 units up along the y-axis

Step 4: Mark the point

6. What are the coordinates of the origin?

7. What is the x-coordinate of (3,5)?

8. What is the y-coordinate of (7,2)?

9. Which point is at (0,0)?

10. A point 3 units right and 4 units up from origin

11. A point 6 units right and 1 unit up from origin

12. Coordinates of a point on x-axis, 5 units right of origin

13. Coordinates of a point on y-axis, 3 units up from origin

14. A point 2 units right and 5 units up from origin
15. A point 7 units right and 4 units up from origin
16. A point 0 units right and 6 units up from origin
17. A point 3 units right and 0 units up from origin
18. Which axis has (0,8)?
19. Which axis has (9,0)?
20. How far right and up is (5,5) from origin?

APPLY



A1.

Tom places a toy at (3,4) on a grid. How many units right and up is this from the origin?

A2.

A bird sits at (0,5) on a map. Which axis is it on?

A3.

A football is placed at (6,0) on a pitch diagram. Which axis is it on?

A4.

A buried treasure is 4 units right and 2 units up from a tree at (0,0). What are its coordinates?

A5.

The school entrance is at (10,10) on a local map. How far right and up is it from the park at (0,0)?