

Max the Monkey's Coordinate Quest

Learning objective: To identify, describe, and represent the position of a point on a 2D grid as coordinates in the first quadrant.

Help Max the Monkey map out his jungle gym! Use your knowledge of X and Y axes to solve these 10 coordinate puzzles. Remember: walk along the corridor (x-axis) before you climb up the stairs (y-axis)!

Answer Key: 1. A (2,3), 2. False, 3. (4,1), 4. C (5,5), 5. True, 6. (0,0), 7. B (1,4), 8. True, 9. (3,2), 10. D (6,0).

Word bank: x-axis · y-axis · coordinates · origin · grid · horizontal · vertical

1. 1. Max is at point (2,3). Which way did he move? A) 2 right, 3 up*, B) 3 right, 2 up, C) 2 left, 3 down, D) 3 left, 2 up. (1 mark)

2. 2. True or False: The x-axis is the vertical line on a coordinate grid. (1 mark)

3. 3. If you start at (0,0) and move 4 squares right and 1 square up, what are your coordinates? (1 mark)

4. 4. Which coordinate represents the centre of a 5x5 grid? A) (1,1), B) (2,2), C) (3,3)*, D) (4,4). (1 mark)

5. 5. True or False: Coordinates are always written in brackets with a comma in between, like (x,y). (1 mark)

6. 6. What are the coordinates of the origin, where the two axes meet? (1 mark)

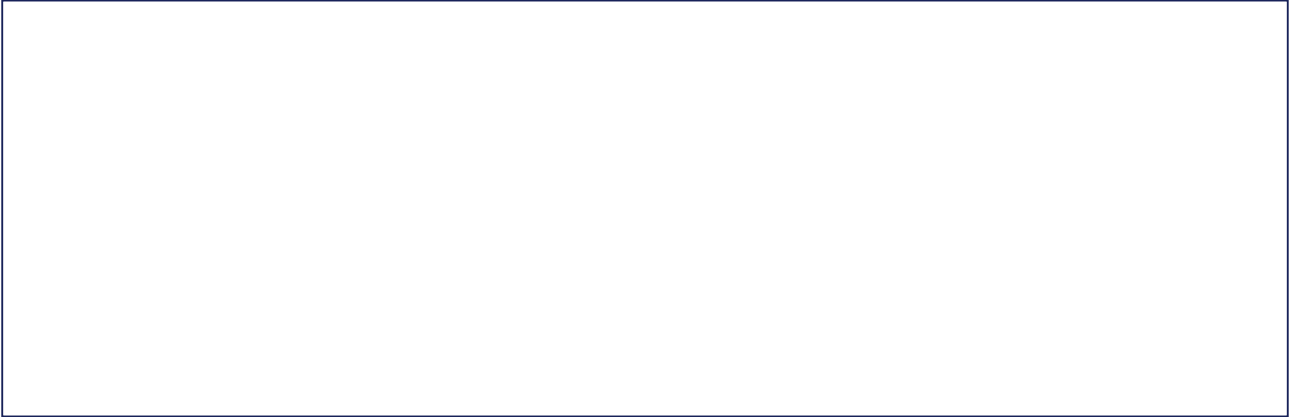
7. 7. A banana is at (1,4). Which letter represents this position? A) (4,1), B) (1,4)*, C) (1,1), D) (4,4). (1 mark)

8. 8. True or False: The y-axis runs from the bottom of the grid to the top. (1 mark)

9. 9. Max moves from (1,2) to (3,2). How many squares to the right did he move? (1 mark)

10. 10. Which point is on the x-axis? A) (1,1), B) (0,5), C) (2,3), D) (6,0)*. (1 mark)

Draw: Draw a 6x6 grid. Place a tree at (1,5), a bunch of bananas at (4,2), and Max the Monkey at (2,2). Draw a path connecting them!



Extension challenge: Max wants to buy some fruit! If a banana costs £0.50 and he is at (4,2) on the grid, how much would 4 bananas cost him in total? Write the answer in pounds (£).