

Max the Monkey's Map Quest

Learning objective: To describe positions on a 2D grid as coordinates in the first quadrant.

Look at the grid below. Max the Monkey is hiding his fruit. Find the coordinates by moving along the bottom line (x-axis) first, then up the side line (y-axis).

Max the Monkey loves maths puzzles. He has hidden his favourite snacks on a grid map. To find them, you must say the number for the bottom line first, and then the number for the side line. Remember: along the corridor, then up the stairs!

Word bank: Coordinate: a pair of numbers showing a position · x-axis: the bottom line going across · y-axis: the side line going up · Origin: the starting point (0,0)

1. Max has put a banana at (2, 3). Place your finger on 2 on the bottom line. Move up to 3. What is at (2, 3)? (2 marks)

2. There is a mango at (4, 1). Move along to 4, then up to 1. Write the coordinates for the mango. (2 marks)

3. Max is standing at (1, 5). Is he at the top or the bottom of the grid? (2 marks)

4. If you move from (1, 1) to (1, 4), which way are you moving? (Up or across) (2 marks)

Draw: Draw a small grid with 5 squares across and 5 squares up. Draw a star at (3, 3) and a circle at (1, 2).



Extension challenge: Max has a peach at (5, 5). Can you draw a path from (0, 0) to (5, 5) using dots?