

Max's Coordinate Treasure Hunt

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

Max the monkey has hidden secret snacks around the jungle grid! Look at the coordinate grid below. Each point represents an item Max has hidden. Follow the clues to identify the coordinates of the items, or plot the items based on Max's instructions.

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

1. Max has hidden a bunch of bananas at (2, 4) and a juicy mango at (5, 1). On the grid, mark the bananas with a 'B' and the mango with an 'M'. (2 marks)

2. Look at the point marked 'P' on the grid. It is located at (3, 5). Is this coordinate written as (y, x) or (x, y)? Explain how you know. (2 marks)

3. Max wants to move his hidden coconut from (1, 2) to (1, 6). Did he move horizontally or vertically? How many squares did he move? (2 marks)

4. If Max stands at the origin (0, 0) and moves 4 squares right and 3 squares up, what are his final coordinates? (2 marks)

5. A hidden treasure chest is located at (6, 0). Does this point sit on the x-axis or the y-axis? Why? (2 marks)

Draw: Draw a 6x6 square grid. Label the x-axis (bottom) from 0 to 6 and the y-axis (side) from 0 to 6. Draw a small palm tree at (4, 4) and a river starting at (0, 1) going to (6, 1).



Extension challenge: Max has a secret path shaped like a square. The corners are at (1, 1), (1, 3), (3, 3), and (3, 1). Draw this square on your grid. If you move each point 2 squares to the right, what would the new coordinates be?