

Max's Coordinate Map Adventure

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

Max the monkey has hidden his favorite puzzle pieces across the jungle grid! Look at the grid provided by your teacher. Use the x-axis (horizontal) and y-axis (vertical) to identify the coordinates for each item Max has hidden. Remember to write the coordinate in brackets, like this: (x, y). Always go along the corridor before you go up the stairs!

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

1. The Banana Bunch: Look at the grid. What are the coordinates for the banana bunch hidden by Max? (2 marks)

2. The Puzzle Piece: Max has placed a shiny puzzle piece at (4, 2). Describe how to move from the origin (0,0) to reach this spot. (3 marks)

3. The Jungle Path: If you move from (1, 3) to (1, 6), have you moved horizontally or vertically? Explain your answer. (3 marks)

4. Plotting Points: Max wants you to hide a coconut at (5, 7). Mark this point on your grid with a small 'C'. Write down why you chose that exact spot. (2 marks)

5. Create a Challenge: Choose your own object to hide on the grid. Write its coordinate here and ask a partner to find it. (2 marks)

Extension challenge: Challenge: Max wants to draw a square on the grid. If the first two corners are at (2, 2) and (2, 5), what could the coordinates for the other two corners be to make a square with sides of 3 units?