

Mastering Coordinates with Max the Monkey

Learning objective: To identify, describe, and represent the position of a shape following a reflection or translation, and to plot coordinates in the first quadrant.

Use these flashcards to test your knowledge of coordinates. Read the front of the card, think of the answer, then check the back to see if Max the Monkey agrees with your math!

Which axis runs horizontally along the bottom of the grid?	Which axis runs vertically up the side of the grid?
The x-axis.	The y-axis.
What is the name of the point where the x-axis and y-axis meet at (0,0)?	If a coordinate is (4, 7), which number do you look for on the x-axis first?
The origin.	4.
Max moves a square 3 units to the right. Is this a translation or a reflection?	If you reflect a shape across a vertical line, does the size of the shape change?
A translation.	No, the shape stays the same size.
What are the coordinates of the origin?	If you move from (2, 3) to (2, 6), how many units have you moved up the y-axis?
(0, 0).	3 units.
In the coordinate (5, 2), which number represents the movement up the y-axis?	True or False: When plotting coordinates, we always go 'along the corridor' (x) before we 'go up the stairs' (y).
2.	True.
If a shape is reflected, does it appear to be flipped or slid?	Max is at (1, 1). He moves 2 units right and 4 units up. Where is he now?
Flipped.	(3, 5).