

Max's Mapping Mission: Mastering Coordinates

Grab your graph paper and join Max the monkey—let's find our way around the grid!

- Always walk along the corridor (x-axis) before you climb the stairs (y-axis) to find your point.
- The origin is the starting point where the x-axis and y-axis meet, marked as (0, 0).
- A translation moves a shape to a new position without changing its size, orientation, or shape.
- When reflecting a shape, the new image appears on the opposite side of the mirror line, just like a reflection in a pond.
- Coordinates are always written in brackets with the x-value first, followed by a comma and the y-value.

Did you know? Did you know? The system of coordinates we use today is named after the French mathematician René Descartes. He was inspired to create the grid system while watching a fly crawl across his ceiling, helping him describe exactly where the fly was at any moment!

Key vocabulary: X-axis · Y-axis · Origin · Coordinates · Quadrant · Translation · Reflection