ONE PAGE SUMMARY

Kids Learning › Geometry for Kids › Coordinates

What is Coordinates

Unlocking the World of Coordinates for Kids!

DEFINITION

> Coordinates are pairs of numbers that help us find exact locations on a grid. They tell us how far to go left or right and up or down.

KEY CONCEPTS

X-Axis

The horizontal line on a graph where we measure left and right.

Y-Axis

The vertical line on a graph where we measure up and down.

Ordered Pairs

Coordinates are written as ordered pairs, like (x, y), showing position.

Quadrants

The graph is divided into four sections called quadrants, each with unique signs for x and y.

Origin

The starting point of the graph at (0, 0), where the x and y axes intersect.

EXAMPLES

→ The point (3, 2) is 3 units right and 2 units up.

→ The point (-1, -4) is 1 unit left and 4 units down.

→ The origin (0, 0) is the center of the coordinate plane.

MEMORY TIPS

★ Remember 'X comes before Y' to recall the order of coordinates.

★ Think of 'O' in origin as a '0' for easy recall.

★ Use the phrase 'Right is positive, left is negative' for x-axis direction.

COMMON MISTAKES

✗ Mixing up the x and y values when writing coordinates.

✗ Forgetting to use parentheses around ordered pairs.

✗ Confusing the direction of positive and negative on the axes.

QUICK RECAP

Coordinates help us locate points on a grid using ordered pairs. Remember the x-axis is horizontal and the y-axis is vertical. Practice identifying points in different quadrants to master the concept!