



Polygons in Coordinate Plane

Today's Standard

6.G.A3 - Draw polygons in the coordinate plane given coordinates for the vertices; use coordinates to find the length of a side joining points with the same first coordinate or the same second coordinate. Apply these techniques in the context of solving real-world and mathematical problems.

Real-World Applications for this Standard

Designing a park layout; Mapping a city grid; Planning a garden; Creating a blueprint for a house; Solving navigation problems

Today I Learned

Today, we learned how to draw shapes on a graph and measure their sides using numbers called coordinates.

Common Stumbling Blocks

Sometimes, kids think that the numbers in coordinates tell you the length of a side directly. They also might mix up which number goes first. We can help them by practicing plotting points in the right order.

Quiz Me

- What do we use to draw shapes on a graph?
- What is the first number in a coordinate called?
- What is the second number in a coordinate called?
- How do we measure the length of a side on the graph?
- Can you show me how to plot a point on the graph?

Help Me

We use coordinates to draw shapes on a graph, like making a map. This helps us solve problems, like planning a garden or designing a park.