Area of Triangles and Polygons

Today's Standard

6.G.A1 - Find the area of right triangles, other triangles, special quadrilaterals, and polygons by composing into rectangles or decomposing into triangles and other shapes; apply these techniques in the context of solving real-world and mathematical problems.

Real-World Applications for this Standard

Calculating the area of a triangular garden plot; Designing a floor plan for a house; Determining the amount of paint needed for a triangular wall; Creating a quilt with various geometric shapes; Planning the layout of a park with different shaped sections

Today I Learned

Today, we learned how to find the area of different shapes by breaking them into smaller parts like triangles and rectangles. This helps us solve problems in real life, like designing a garden or planning a room.

Common Stumbling Blocks

Sometimes kids think finding the area of a triangle is the same as a rectangle, but it's not. Another problem is thinking breaking shapes into smaller parts is too hard, but it actually makes things easier.

Quiz Me

- What is the area?
- How do you find the area of a triangle?
- Can you break a shape into smaller parts?
- Why do we break shapes into triangles and rectangles?
- Where can we use these skills in real life?

Help Me

Finding the area of shapes helps us solve many problems. For example, if we want to know how much space a garden takes up, we can break it into smaller shapes and add up their areas. This makes it easier to solve big problems step by step.