Proactive Instruction

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.

Cues	Notes
Area	Area is the amount of space inside a shape.
Triangles	The area of a triangle is 1/2 * base * height.
Polygons	Polygons can be decomposed into triangles and rectangles to find their area.
Decomposition	Decomposing shapes simplifies complex area calculations.
Real-world applications	Real-world applications include architecture, design, and planning.

Summary

Understanding how to find the area of various polygons by decomposing them into simpler shapes is essential for solving real-world problems. This standard builds on basic geometric knowledge and prepares students for more complex geometry.