



Classifying 2D Figures by Properties

Today's Standard

5.G.B4 - Classify two-dimensional figures in a hierarchy based on properties.

Cues	Notes
What are the properties of geometric shapes?	Properties of shapes include the number of sides, angles, parallel lines, and symmetry.
How can shapes be classified?	Shapes can be classified based on their properties, such as side lengths and angle measures.
What is a hierarchy in geometry?	A hierarchy in geometry organizes shapes into categories based on shared properties.
What are common misconceptions about classifying shapes?	Common misconceptions include thinking all shapes with the same number of sides are the same and that shapes cannot belong to multiple categories.
How can we correct these misconceptions?	Use examples, counterexamples, Venn diagrams, and hands-on activities to correct misconceptions.

Summary

Classifying geometric shapes involves understanding their properties and organizing them into a hierarchy. Addressing common misconceptions helps students grasp the relationships between different shapes.