



Understanding Quadrilaterals and Their Attributes

Today's Standard

3.G.A1 - Understand that shapes in different categories (e.g., rhombuses, rectangles, and others) may share attributes (e.g., having four sides), and that the shared attributes can define a larger category (e.g., quadrilaterals). Recognize rhombuses, rectangles, and squares as examples of quadrilaterals, and draw examples of quadrilaterals that do not belong to any of these subcategories.

Cues	Notes
What is a quadrilateral?	A quadrilateral is a four-sided shape.
Examples of quadrilaterals?	Examples include squares, rectangles, rhombuses, and trapezoids.
Common attributes of quadrilaterals?	Common attributes: four sides, four vertices.
Misconceptions about quadrilaterals?	Misconceptions: All four-sided shapes are squares or rectangles; shapes must look typical to be quadrilaterals.
How to classify quadrilaterals?	Classify by counting sides, examining angles, and comparing to known shapes.

Summary

Understanding quadrilaterals involves recognizing that they are four-sided shapes with shared attributes. This includes identifying various types of quadrilaterals and addressing common misconceptions about their classification.