



Symmetry in Shapes

Today's Standard

HSG.CO.A3 - Given a rectangle, parallelogram, trapezoid, or regular polygon, describe the rotations and reflections that carry it onto itself.

Cues	Notes
What is symmetry?	Symmetry refers to a balance or correspondence between parts of a shape.
What are rotations and reflections?	Rotations turn a shape around a point, while reflections flip a shape over a line.
How do you find lines of symmetry?	Lines of symmetry can be found by folding a shape so that both halves match perfectly.
What are common misconceptions about symmetry?	Common misconceptions include thinking all shapes have the same number of lines of symmetry and that a 360-degree rotation changes the shape's position.
How can symmetry be applied in real-world contexts?	Symmetry is used in art, architecture, chemistry, and computer graphics.

Summary

Understanding symmetry involves recognizing rotations and reflections that map a shape onto itself. This concept is crucial in various real-world applications and helps correct common misconceptions.