Congruence through Transformations

Today's Standard

8.G.A2 - Understand that a two-dimensional figure is congruent to another if the second can be obtained from the first by a sequence of rotations, reflections, and translations; given two congruent figures, describe a sequence that exhibits the congruence between them.

Real-World Applications for this Standard

Designing symmetrical patterns in art; Creating and solving puzzles; Planning and executing dance routines; Mapping out routes on a grid; Understanding molecular symmetry in chemistry

Today I Learned

Today we learned about congruent shapes. Two shapes are congruent if you can turn, flip, or slide one to match the other.

Common Stumbling Blocks

Kids might think congruent shapes must look the same way, but they can be turned or flipped. They might also think they can tell just by looking, but they need to check with math.

Quiz Me

- What does congruent mean?

- Can you flip a shape to make it congruent?

- What is a rotation?

- What is a reflection?

- How can you slide a shape?

Help Me

Congruent shapes can be found in many places, like in art or puzzles. When you turn, flip, or slide a shape to match another, they are congruent.