



Transformations and Congruence

Today's Standard

8.G.A1a - Lines are taken to lines, and line segments to line segments of the same length.

Real-World Applications for this Standard

Designing symmetrical patterns in art; Planning routes on a map; Constructing buildings with precise dimensions; Creating computer graphics and animations

Today I Learned

Today, we learned about how shapes move in geometry. When we move or change shapes, the lengths of the lines stay the same.

Common Stumbling Blocks

Sometimes, kids think that moving shapes changes the length of the lines. This is not true. Also, kids might think that only some moves keep the length the same, but all moves do.

Quiz Me

- What happens to the length of a line when we move it?
- Can a line get longer when we change its place?
- What is a transformation?
- What does it mean if two shapes are congruent?
- Can you give an example of a transformation?

Help Me

When we move shapes, like in art or building things, the lines stay the same length. This helps us make sure everything fits together perfectly.