



Transformations of 2D Figures

Today's Standard

8.G.A3 - Describe the effect of dilations, translations, rotations, and reflections on two-dimensional figures using coordinates.

Real-World Applications for this Standard

Designing logos and graphics; Creating animations in computer graphics; Mapping and navigation systems; Architectural blueprints; Art and design projects

Today I Learned

Today, I learned about how shapes can be moved or changed in size on a grid. This helps us understand maps and designs.

Common Stumbling Blocks

Sometimes, kids think that moving a shape on a grid changes its size. They also might think all changes keep the same size. But, only some changes do that.

Quiz Me

- What happens when you move a shape on a grid?
- Does turning a shape change its size?
- What is it called when a shape gets bigger or smaller?
- Can you name a real-world example of using shapes?
- What do you need to know before moving shapes on a grid?

Help Me

Moving and changing shapes on a grid helps us in real life. For example, it helps in making maps, designing buildings, and creating pictures. Understanding this is very useful!