Triangle Congruence and Similarity

Today's Standard

HSG.SRT.B5 - Use congruence and similarity criteria for triangles to solve problems and to prove relationships in geometric figures.

Real-World Applications for this Standard

Designing and analyzing architectural structures; Solving problems in engineering related to structural integrity; Creating scaled models or blueprints; Navigating using maps and GPS systems; Analyzing patterns in nature, such as crystal structures

Today I Learned

Today we learned about how to use rules to find out if triangles are the same shape and size or just the same shape but different sizes. This helps us solve problems and understand more about shapes.

Common Stumbling Blocks

Sometimes kids think that if triangles look the same, they must be the same size, but that's not always true. Another tricky part is remembering the different rules for when triangles are the same size and shape versus just the same shape.

Quiz Me

- What makes two triangles the same shape?
- Can two triangles be the same shape but different sizes?
- What is a rule we use to check if triangles are the same size and shape?
- Why is it important to know if triangles are the same shape?
- Can you find a triangle in our house or outside?

Help Me

Triangles can be used in real life, like in building houses or making maps. Knowing if triangles are the same shape or size helps us make sure things fit together correctly and are strong and safe.