



Triangle Congruence Criteria

Today's Standard

HSG.CO.B8 - Explain how the criteria for triangle congruence (ASA, SAS, and SSS) follow from the definition of congruence in terms of rigid motions.

Real-World Applications for this Standard

Architectural design and structural engineering; Computer graphics and animation; Robotics and mechanical engineering; Geometric proofs in mathematics

Today I Learned

Today, I learned about triangle congruence. This means we can tell if two triangles are exactly the same using special rules called ASA, SAS, and SSS.

Common Stumbling Blocks

Some kids think triangles have to look the same way to be the same, but they don't. Also, the special rules only work for triangles, not other shapes.

Quiz Me

- What is a triangle?
- What does ASA stand for?
- What does SAS stand for?
- What does SSS stand for?
- Do triangles need to look the same way to be the same?

Help Me

Triangles can be the same size and shape even if they look different. This is important in many jobs like building houses or making video games. We use special rules to check if triangles are the same.