



AA Criterion for Similar Triangles

Today's Standard

HSG.SRT.A3 - Use the properties of similarity transformations to establish the AA criterion for two triangles to be similar.

Real-World Applications for this Standard

Architectural design and scaling models; Map reading and navigation; Computer graphics and animations; Engineering and construction; Astronomy and celestial measurements

Today I Learned

Today, we learned about how to tell if two triangles are similar. If two angles in one triangle are the same as two angles in another triangle, then the triangles are similar.

Common Stumbling Blocks

Kids might think that only triangles that are exactly the same size can be similar. They might also mix up the rules for similar triangles with the rules for triangles that are exactly the same size.

Quiz Me

- What are similar triangles?
- How many angles need to be the same for triangles to be similar?
- Can similar triangles be different sizes?
- What is one real-world example of similar triangles?
- What is the AA criterion?

Help Me

We use the AA criterion to see if two triangles are similar by checking if two angles are the same. This helps in real life, like in building models or reading maps, where we need to work with shapes of different sizes but the same shape.