Similarity of Circles

Today's Standard

HSG.C.A1 - Prove that all circles are similar.

Real-World Applications for this Standard

Designing round objects like wheels and plates; Understanding planetary orbits; Creating circular art and architecture; Analyzing circular motion in physics; Engineering gears and mechanical parts

Today I Learned

Today, we learned that all circles are similar. This means they have the same shape but can be different sizes.

Common Stumbling Blocks

Some kids think circles of different sizes can't be similar, but they can be. Others think similarity depends on where the circles are, but it doesn't.

Quiz Me

- What is a circle?
- Can circles be different sizes?
- What does it mean for circles to be similar?
- Do circles have to be in the same place to be similar?
- Can you name a round object?

Help Me

Circles are everywhere! Think of wheels, plates, and planets. Even if they are different sizes, they are still the same shape. That's why all circles are similar!