



Similarity of Circles

Today's Standard

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

Cues	Notes
What is circle similarity?	Circle similarity means all circles have the same shape but can be different sizes.
How to prove circles are similar?	Circles are similar if they can be scaled versions of each other, maintaining proportional relationships.
Why are all circles similar?	All circles are similar because they all have the same shape, defined by their radii.
What are common misconceptions about circle similarity?	Common misconceptions include thinking circles of different sizes can't be similar and that similarity depends on position or orientation.
How can circle similarity be applied in real life?	Circle similarity can be applied in designing objects, understanding orbits, creating art, and engineering.

Summary

Circle similarity means all circles have the same shape but different sizes. This concept is crucial in geometry and has various real-world applications.