



Circle Area and Circumference

Today's Standard

7.G.B4 - Know the formulas for the area and circumference of a circle and use them to solve problems; give an informal derivation of the relationship between the circumference and area of a circle.

Real-World Applications for this Standard

Calculating the amount of paint needed to cover a circular area; Determining the length of fencing required to enclose a circular garden; Finding the distance around a circular track; Estimating the material needed for a circular tablecloth; Designing circular logos or patterns

Today I Learned

Today we learned about circles. We found out how to measure the space inside a circle and how to measure around it. We used special formulas to do this.

Common Stumbling Blocks

Sometimes kids mix up the formulas for measuring inside the circle and around it. They also sometimes think the radius and diameter are the same, but the diameter is twice as long as the radius.

Quiz Me

- What is the space inside a circle called?
- What is the distance around a circle called?
- What is the radius of a circle?
- What is the diameter of a circle?
- What do we use the formulas for?

Help Me

We use the circle formulas to solve real-world problems. For example, if we want to know how much space a circular garden covers or how much fence we need to go around it, we use these formulas.