



Volume Formulas for 3D Shapes

Today's Standard

8.G.C9 - Know the formulas for the volumes of cones, cylinders, and spheres and use them to solve real-world and mathematical problems.

Real-World Applications for this Standard

Calculating the volume of a water tank (cylinder); Determining the amount of ice cream that fits in a cone; Finding the volume of a basketball (sphere)

Today I Learned

Today, I learned how to find out how much space is inside shapes like cones, cylinders, and spheres.

Common Stumbling Blocks

Sometimes kids mix up the formulas for different shapes or put the wrong numbers in the formulas. We can help them by showing them pictures and practicing step-by-step.

Quiz Me

- What shape is a cone?
- How do you find the volume of a cylinder?
- What is the formula for the volume of a sphere?
- Can you name a real-world example of a cylinder?
- Why is it important to know the volume of shapes?

Help Me

Volume tells us how much space is inside something. We can use it to find out how much water fits in a tank or how much ice cream fits in a cone. This helps us solve real-world problems.