# Understanding Volume of Solid Figures

## Today's Standard

5.MD.C3b - A solid figure which can be packed without gaps or overlaps using n unit cubes is said to have a volume of n cubic units.

## Real-World Applications for this Standard

Filling a box with cubes to find its volume; Calculating the volume of a storage container; Determining the amount of soil needed to fill a garden bed; Measuring the volume of a swimming pool; Packing items into a moving box efficiently

## Today I Learned

Today, we learned about volume. Volume is how much space a solid figure takes up. We use unit cubes to measure it.

## Common Stumbling Blocks

Sometimes kids think volume is the same as area, but it's not. Area is the surface, and volume is the space inside. Also, volume doesn't change if you turn the shape around.

## Quiz Me

- What is volume?
- How do we measure volume?
- What is a unit cube?
- Does volume change if you turn the shape?
- Is volume the same as area?

## Help Me

Volume tells us how much space is inside a shape. We can find it by filling the shape with small cubes. This helps us know how much it can hold, like how much water can fit in a box.