Understanding Volume Measurement

Today's Standard

5.MD.C3 - Recognize volume as an attribute of solid figures and understand concepts of volume measurement.

Real-World Applications for this Standard

Measuring the volume of a box to determine how much it can hold.; Calculating the amount of water needed to fill a swimming pool.; Estimating the volume of soil required for a garden bed.; Determining the storage capacity of different containers in the kitchen.; Using volume to compare the sizes of different objects.

Today I Learned

Today, we learned about volume, which is the amount of space a solid figure takes up. We measured volume using cubic units like cubic centimeters.

Common Stumbling Blocks

Sometimes, kids think volume is the same as area, but it's not. Area is just the surface, while volume is the whole space inside. Also, changing the shape of something doesn't change its volume. It's still the same amount of space.

Quiz Me

- What is volume?
- How is volume different from area?
- What units do we use to measure volume?
- Can the volume of an object change if its shape changes?
- How can you measure the volume of a box?

Help Me

Volume helps us understand how much space something takes up. For example, when we fill a box with toys, we are using volume. We measure volume with cubic units, like cubic centimeters. Even if we change the shape of something, the volume stays the same.