



Finding Volumes of Composite Figures

Today's Standard

5.MD.C5c - Recognize volume as additive. Find volumes of solid figures composed of two non-overlapping right rectangular prisms by adding the volumes of the non-overlapping parts, applying this technique to solve real world problems.

Real-World Applications for this Standard

Calculating the volume of a storage box with compartments.; Determining the amount of soil needed for a segmented garden bed.; Measuring the capacity of a multi-sectioned aquarium.; Estimating the volume of a piece of furniture with multiple compartments.

Today I Learned

Today, we learned how to find the volume of shapes made up of two boxes. We add the space inside each box to get the total space.

Common Stumbling Blocks

Sometimes, kids think they can't add the space inside two boxes to get the total space. They also might mix up volume, which is inside space, with surface area, which is outside space.

Quiz Me

- What is volume?
- How do you find the volume of a box?
- Can you add the volumes of two boxes together?
- What is the difference between volume and surface area?
- Why is it important to know how to find volume?

Help Me

Volume tells us how much space is inside something. We can find the volume of shapes like boxes by measuring their sides and multiplying. For shapes made of two boxes, we add the volumes of both boxes to get the total volume. This helps us solve real-life problems, like finding out how much stuff fits in a container.

