



## Volume of Rectangular Prisms with Fractions

### Today's Standard

6.G.A2 - Find the volume of a right rectangular prism with fractional edge lengths by packing it with unit cubes of the appropriate unit fraction edge lengths, and show that the volume is the same as would be found by multiplying the edge lengths of the prism. Apply the formulas  $V = l w h$  and  $V = b h$  to find volumes of right rectangular prisms with fractional edge lengths in the context of solving real-world and mathematical problems.

### Real-World Applications for this Standard

Finding the volume of a storage box with fractional dimensions.; Calculating the volume of a fish tank with fractional edge lengths.; Determining the volume of a shipment container with fractional measurements.

### Today I Learned

Today, we learned how to find the volume of boxes, even when their sides are fractions. We use special formulas to help us calculate the space inside the box.

### Common Stumbling Blocks

Some kids might think you can't use fractions to find volume or might add the sides of the box instead of multiplying them. These are common mistakes, but with practice, we can fix them!

### Quiz Me

- What is volume?
- How do you find the volume of a box?
- What do you do if the sides are fractions?
- What formula do you use for volume?
- Can you add the sides to find volume?

### Help Me

To find the volume of a box, even with fractional sides, we use multiplication. Imagine filling the box with tiny cubes to see how much space is inside. This helps us understand how big the box is.

