



## Volume of Rectangular Prisms

### Today's Standard

5.MD.C5b - Apply the formulas  $V = l \times w \times h$  and  $V = b \times h$  for rectangular prisms to find volumes of right rectangular prisms with whole-number edge lengths in the context of solving real world and mathematical problems.

### Real-World Applications for this Standard

Calculating the volume of a fish tank; Determining the amount of soil needed for a rectangular garden bed; Finding the capacity of a storage box; Estimating the volume of a swimming pool; Packing items efficiently in a shipping box

### Today I Learned

Today, we learned how to find the volume of rectangular prisms using formulas. This helps us solve real-world problems like figuring out how much space is inside a box.

### Common Stumbling Blocks

Sometimes, kids might mix up the formulas for volume and area. Another common mistake is not multiplying the dimensions correctly. We can help them by practicing and using real-life examples.

### Quiz Me

- What is volume?
- How do you find the volume of a box?
- What do you need to know to calculate volume?
- Can you give an example of something you measure with volume?
- Why is it important to know how to find volume?

### Help Me

Volume is how much space is inside something. We can find the volume of a box by multiplying its length, width, and height. This helps us know how much it can hold, like how much water fits in a tank.