

## G5-M6-Lesson 33

Find a rectangular box at your home. Use a ruler to measure the dimensions of the box to the nearest centimeter. Then, calculate the volume of the box.

I find the volume of rectangular prisms, or boxes, by multiplying the 3 dimensions together.  
 $\text{Volume} = \text{length} \times \text{width} \times \text{height}$

Item	Length	Width	Height	Volume
Toy Shoe Box	8 cm	3 cm	6 cm	$144 \text{ cm}^3$

The length of the shoe box was exactly 7.5 cm, but the directions said to measure to the nearest centimeter. I round 7.5 up to 8.

$8 \times 3 \times 6 = 24 \times 6 = 144$   
The volume of the shoe box is 144 cubic centimeters.