



## 7th Grade Lesson 70

- I can find the volume of rectangular prisms.

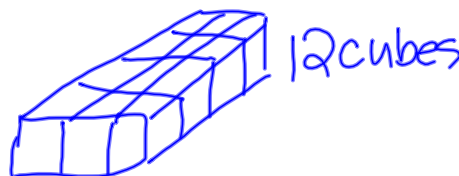
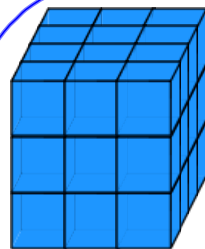
The amount of space a solid shape occupies is called **volume**.  
Volume is measured in cubic units.

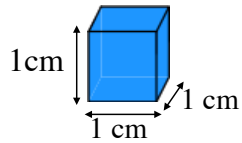
cubic units =  $\text{unit}^3$

~~3 units~~ ~~23 cm~~

This rectangular prism was constructed out of toy cubes. Its volume is how many cubes?

36 cubes

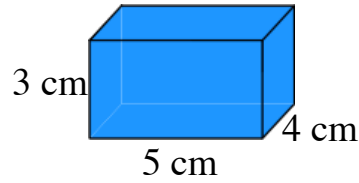




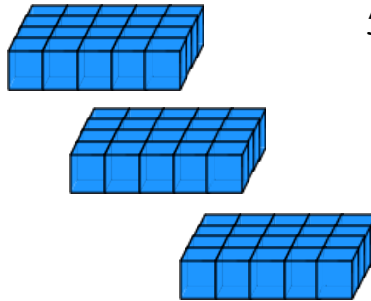
1 cubic centimeter =  $1 \text{ cm}^3$

$1 \text{ ft}^3$     $1 \text{ in}^3$     $1 \text{ yd}^3$

Find the number of 1-cm cubes that can be placed inside a rectangular box with the dimensions shown.

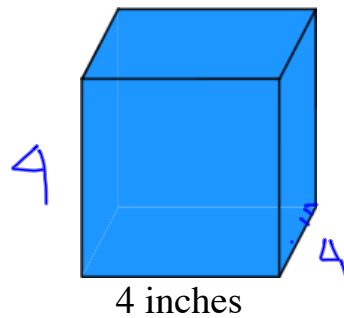


$60 \text{ cm}^3$



What is the volume of this cube?

$64 \text{ in}^3$



# Assignment

Test #13 Monday;  
Problem Set 70 due Tuesday

**\*A/B Optional:** #1-5, 7, 8, 12-14, 17-19, 26-30