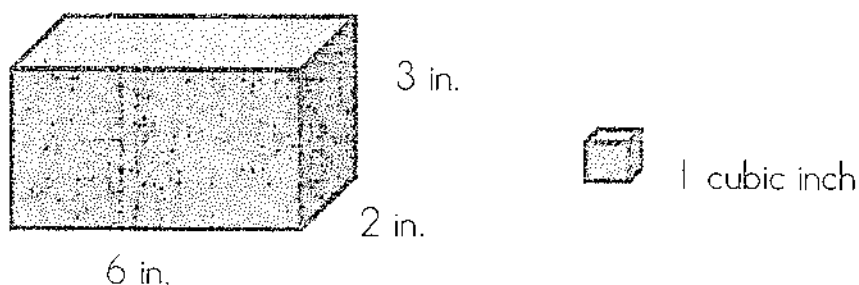


# Volume Notes

Volume— number of cubic units a container can hold

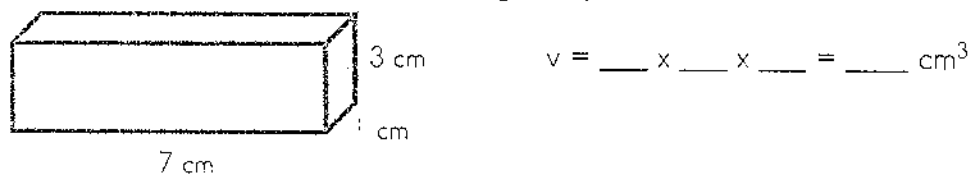
Volume = length x height x width  
(Volume is written in units cubed or units<sup>3</sup>.)

Take a look at this example.



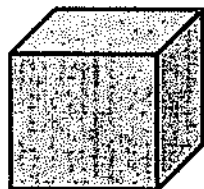
The volume of this rectangular prism is 36 in<sup>3</sup>. This shape can hold 36 cubic inches.  
 $V = 6 \text{ in} \times 2 \text{ in} \times 3 \text{ in} = 36 \text{ in}^3$

What is the volume of the rectangular prism below?



What is the volume of the rectangular prism with a length of 3 feet, width of 1 foot, and height of 1 foot? \_\_\_\_\_

What is the volume of the cube below? A cube is a shape with the same height, length, and width



3 ft.

Volume: \_\_\_\_\_