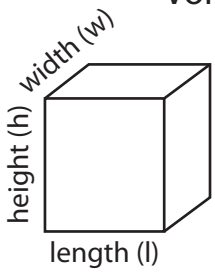
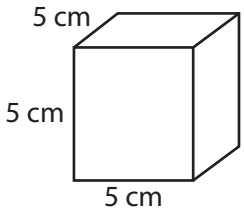
Name: _____ Date: _____

Volume Calculations Introduction # 4

Volume is the measure of space inside of a solid object.
Volume is measured in **cubic units (in^3, yd^3, cm^3, ft^3).**





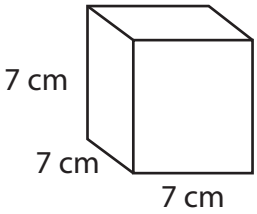
To find the volume of a rectangular prism, multiply the length **(l)** by the width **(w)** by the height **(h)**.

l x w x h = Volume (V)
(5 cm x 5 cm) x 5 cm = Volume (V)
(25 cm^2) x 5 cm = Volume (V)
125 cm^3 = Volume (V)

Directions: Calculate the volume of each solid using the equation l x w x h = volume.

1.

7cm x 7cm x 7cm = V



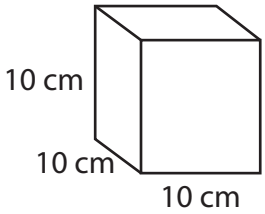
(7cm x 7cm) x 7cm = V

($49cm^2$) x 7cm = V

$343cm^3$ = Volume

2.

10cm x 10cm x 10cm = V



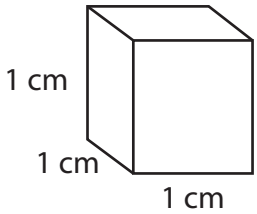
(10cm x 10cm) x 10cm = V

($100cm^3$) x 10cm = V

$1000cm^3$ = Volume

3.

1cm x 1cm x 1cm = V



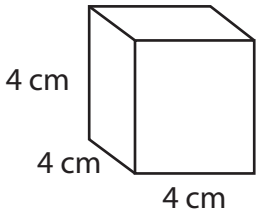
(1cm x 1cm) x 1cm = V

($1cm^2$) x 1cm = V

$1cm^3$ = Volume

4.

4cm x 4cm x 4cm = V



(4cm x 4cm) x 4cm = V

($16cm^2$) x 4cm = V

$64in^3$ = Volume