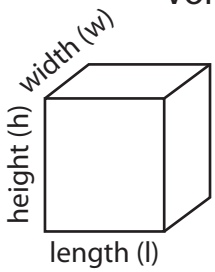
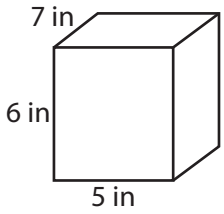
Name: _____ Date: _____

Volume Calculations Introduction # 1

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).**





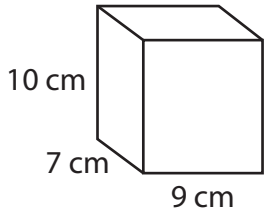
To find the volume of a rectangular prism, multiply the length **(l)** by the width **(w)** by the height **(h)**.

l x w x h = Volume (V)
(5 in x 7 in) x 6 in = Volume (V)
(35 in^2) x 6 in = Volume (V)
210 in^3 = Volume (V)

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

1.

9cm x 7cm x 10cm = V



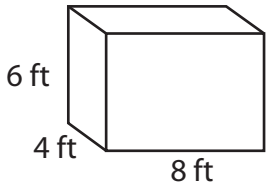
(9cm x 7cm) x 10cm = V

(63cm^2) x 10cm = V

630cm^3 = Volume

2.

8ft x 4ft x 6ft = V



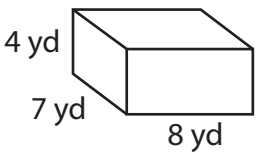
(8ft x 4ft) x 6ft = V

(32ft^2) x 6ft = V

192ft^3 = Volume

3.

8yd x 7yd x 4yd = V



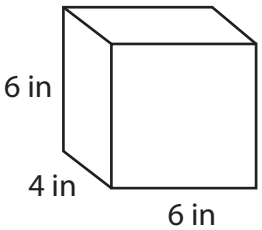
(8yd x 7yd) x 4yd = V

(56yd^2) x 4yd = V

224yd^3 = Volume

4.

6in x 4in x 6in = V



(6in x 4in) x 6in = V

(24in^2) x 6in = V

144in^3 = Volume

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