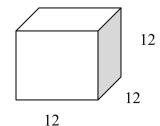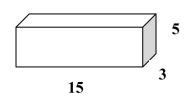# Working with Volume
(Rectangular Prisms)

1) Write the formula for the volume of a rectangular prism.

Find the volume of the rectangular prisms. Show all work!

2)

12

12

12

3)

5

3

15

Find the missing measurement. SHOW ALL WORK!

4) Volume = 54 cubic in.
    Length = 6 in.
    Width = 3 in.
    Height = ? in.

5) Volume = 168 cubic ft.
    Length = ? ft.
    Width = 8 ft.
    Height = 3 ft.

6) Volume = 196 cubic yds.
    Length = 14 yds.
    Width = ?
    Height = 2 yds.

★
7) Volume = ?
    Length = 14 ft.
    Width = 12 ft.
    Height = 3 yds.

8) The side length of a cube is 5 inches. Show two ways to find its volume.

9) A swimming pool is 12 ft. long, 8 ft wide, and 5 ft. deep. What is its volume?