

Name: _____

Volume of Rectangular Prisms Word Problems



1.) What is the volume of a rectangular fish tank with a height of 10 inches, a length of 12 inches, and a width of 5 inches?

2.) What is the volume of a rectangular fish tank with a height of 18 meters, a length of 16 meters, and a width of 3 meters?



3.) When completely filled, a rectangular tank at an aquarium holds 10,800 cubic yards of water. If the tank has a length of 36 yards and a height of 15 yards, what is the width of the tank?

4.) A rectangular fish tank measures 6.5 meters long, 4 meters wide, and 5 meters deep inside. If the tank is filled with 100 cubic meters of water, how much available space, in cubic meters, is left in the tank?



ANSWER KEY

- 1.) The tank has a volume of 600 cubic inches.
- 2.) The tank has a volume of 864 cubic meters.
- 3.) The tank has a width of 20 yards.
- 4.) There are 30 cubic meters of space left in the tank.