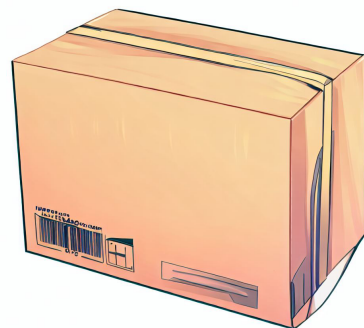# Volume of Rectangular Prisms Word Problems

1.) What is the volume of a rectangular shipping box that is 1.5 feet wide, 6 feet long, and 3 feet tall?
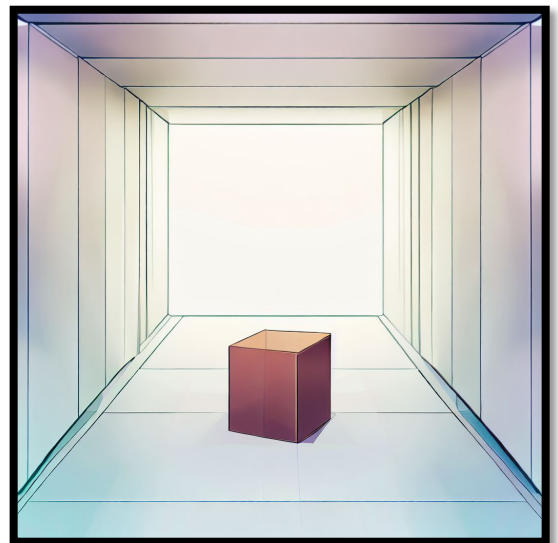
2.) A kitchen cabinet is 12 inches wide, 11 inches deep, and 14 inches deep. What is the volume of the cabinet?

3.) A rectangular brick is 2.5 inches wide, 8 inches long, and 3 inches tall. What is the volume of a tower that is built by stacking 7 bricks?



4.) A storage unit is 6 feet wide, 9 feet deep, and 8 feet tall. In the storage unit, there is a cube-shaped cardboard box with an edge length of 2 feet. How much room, in cubic feet, is not being taken up by the box?

1.) The box has a volume of 27 cubic feet.
2.) The cabinet has a volume of 1,848 cubic inches.
3.) The stack has a volume of 420 cubic inches.
4.) There are 424 cubic feet not being taken up by the box.