

Name _____
Mr. Schlansky

Date _____
Geometry



Volume with Conversions

Convert the following units and round to the nearest tenth if necessary

1. 24 inches to feet

2. 54 inches to feet

2. 3 inches to feet

4. 4 inches to feet

5. 2 feet to inches

6. 5 feet to inches

7. 3.5 feet to inches

8. 9.25 feet to inches

9. What is the volume, to the *nearest cubic foot*, of a rectangular prism that is 2.4 feet high, 3.2 feet wide, and 9 inches high?

10. A cylinder has a diameter of 20 inches and a height of 2 feet. Find the volume rounded to the nearest cubic inch.

11. A regular pyramid has a square base. A side of the base measures 0.75 feet and the height of the pyramid is 15 inches. What is the volume of the pyramid in cubic inches?

12. Find the volume of a cone whose diameter is 15 inches and height of 2 feet rounded to the nearest cubic foot.

13. A child's tent can be modeled as a pyramid with a square base whose sides measure 60 inches and whose height measures 84 inches. What is the volume of the tent, to the nearest cubic foot?

14. Find the volume of the shape below to the nearest cubic inch.

