Introduction

Name: _____

1. How many centimeters are there in 2.35 m?

2. How many significant figures do each of the following measurements contain?

      a. 12.5 m   c. 1050 cm   e. 0.00480 s

      b. 100.00 s   d. 2.70×10^5 years   f. 0.502 m/s

3. The floor on a room measures 2.3 m x 6 m. What is the area of the floor?

4. What is the area of a circle that has a diameter of 25 in? What is its circumference?

5. Convert 12.5 km/h to m/s.

6. The ark measured 300.0 cubits long by 30.0 cubits high by 50.0 cubits wide. A cubit is around 18 inches in length. How many cubic feet did the ark contain?

7. The volume of a sphere is $4/3\pi r^3$. A sphere that has a radius of 5.00 m could contain how many spheres that have a diameter of 5.00 cm?

8. You walk north for 2.5 miles. Then you walk east a distance of 3.0 miles. How many miles from the starting point are you?

9. A compartment measures 12 feet by 15 feet. How many tiles would it take to cover the deck if the square tiles measure 8.0 inches to the side?