

Understanding Metric System

Do the following questions.

1. Name four commonly used basic units of measurement in the metric system
2. What are six common prefixes that are used in the metric system
3. Which is the most reasonable estimate for the width of a dime?
a) one centimeter b) one millimeter c) one kilometer
4. How many degrees Celsius are between the temperature of frozen water and boiling water?
5. In converting centimeters to meters, would you multiply or divide? Why?
6. The capacity of a bottle of hydrogen peroxide can be
a) 450 ml b) 450 L c) 450 g
7. The radius of a chlorine atom is
a) 0.1 nanometer b) 0.1 kilometer c) 0.1 meter
8. The mass of a tiny drop of water is
a) 1L b) 1ml c) 1 μ L
9. How do the ml and the cubic centimeter relate?
10. Assume a penny has a mass of 2.4g. A pound equals 454 grams. How many pennies are in a pound of pennies?