**The Metric System  
Meters, Grams and Liters**

* The metric system is a measurement system based on our decimal (base 10) number system.
* Other countries and all scientists and engineers use the metric system for \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

**Measurement Systems**

There are \_\_\_ types of measurement systems:

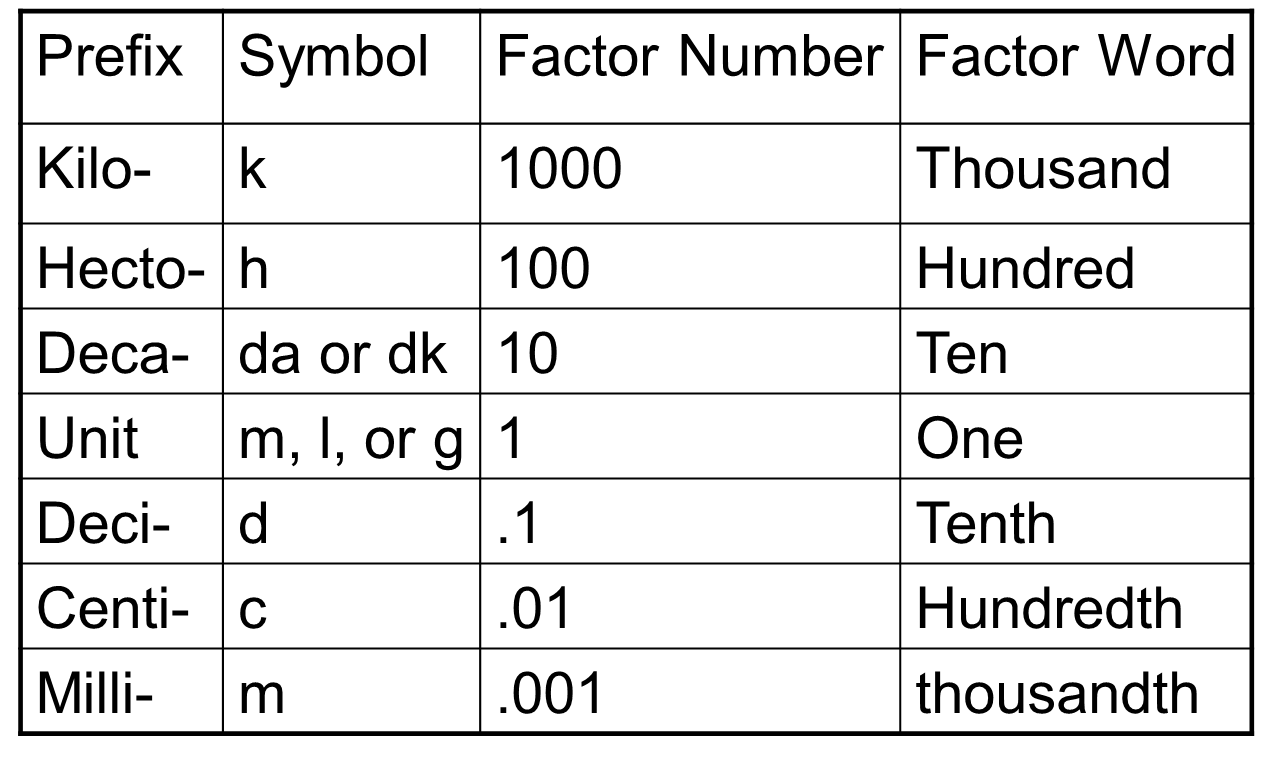
What are the two measurements systems?

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Metric Prefixes**

The metric system has prefix modifiers that are multiples of 10.



**Meters**

Meters measure \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ or \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

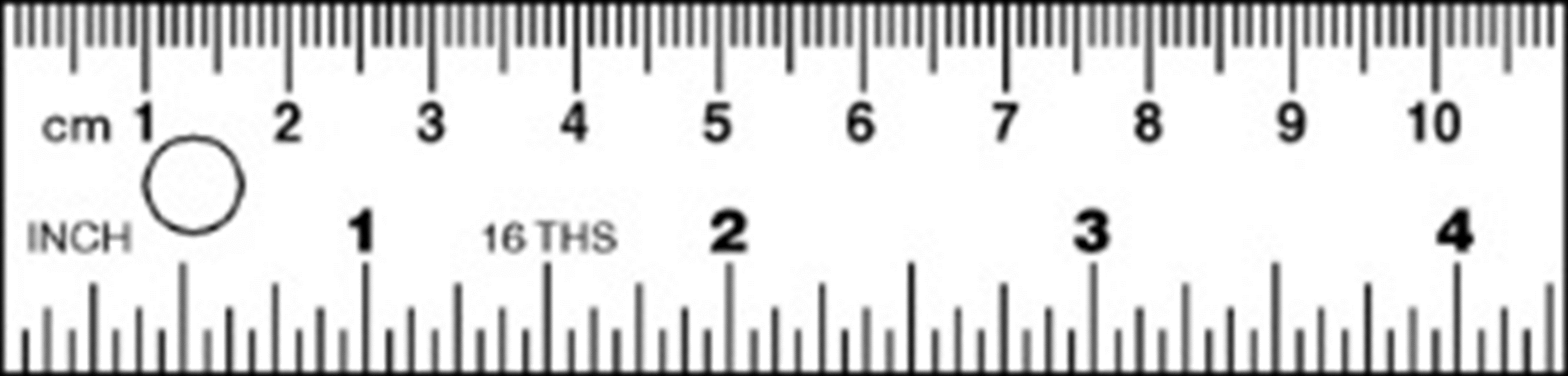
**Millimeters**

One millimeter is about the thickness of a \_\_\_\_\_\_\_\_\_\_\_\_.

10 mm = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Centimeters**

* One centimeter is about the width of a **large** paper clip



**Meter**

A meter is about the width of a doorway

**Kilometer**

A kilometer is about six city blocks or 10 football fields.

1.6 kilometers is about \_\_\_\_\_\_\_\_\_\_\_\_\_\_

AND 1 kilometer is about \_\_\_\_\_\_\_\_\_\_\_\_

**The Gram**

Grams are used to measure mass or the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ of an object.

Please get familiar with this now. We will use the gram quite frequently this year especially when we use the triple beam balance.

**Milligrams**

A milligram weighs about as much as a grain of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

**Gram**

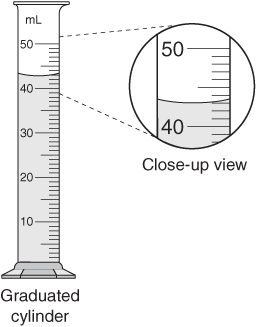
1 gram weighs about as much as a small \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

**Kilogram**

1 kilogram weighs about as much as 6 apples or \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

**The Liter**

Liters measure liquids or capacity. The liter unit is used when measuring \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

**Milliliter**

1 milliliter is about the amount of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

We use the milliliter often when using \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

**Liter**

1 liter is \_\_\_\_\_\_\_\_\_\_\_\_ of a 2 liter bottle of Coke or other soda

**Kiloliter**

A kiloliter would be about \_\_\_\_\_\_\_\_\_\_ 2-liter bottles of pop

Why do we use the metric system here in America?