**Metric System and LENGTH**

I will be able to measure to record data using a variety of SI units.

**What is the Metric System?**

Metric units are related to decimals by multiples or divisions of ten.

* The first standardized system of measurement, based on the **decimal** was proposed in France about 1670.
* It was created to develop a universal system of measurement.
* It was called the "metric" system, based on the French word for measure.
* As of 2005, only three countries, the United States, Liberia, and Myanmar, have not changed over to the metric system.
* The official modern name of the metric system is *the International System of Units* or abbreviated SI.

**What are the Metric measurements we are learning about?**

* Meter-basic unit of length
* Liter basic unit of volume
* Gram basic unit of mass

**Advantages of using the Metric System/Why we should use it?**

1. **Most scientists use it so easy to share results.**
2. **Based on units of 10 so easy to work with**
3. **Used world wide**

**What is the order of the metric system?**

* King Henry Died by Drinking Chocolate Milk
	+ King: Kilo 1000
	+ Henry: Hecto 100
	+ Died: Deca 10
	+ By: Base (m, L, g)
	+ Drinking: Deci .1
	+ Chocolate: Centi .01
	+ Milk: Milli .001

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**­­How to remember the different lengths of the metric system!! (Benchmarks)**

When you think of a **millimeter (mm)** think of:

* + The thickness of a dime.

When you think of a **centimeter** **(cm)** think of:

* + The width of your pinky.

When you think of a **meter (m)** think of:

* + The height of the doorknob.

When you think of a **kilometer (km)** think of:

* + A little more than half of a mile

**How to understand the ruler!**

* One side has inches (duh!)
* The other side is the metric side.
* The big numbers represent centimeters
* The smaller lines represent millimeters.
* How many millimeters are in a centimeter?
	+ 10