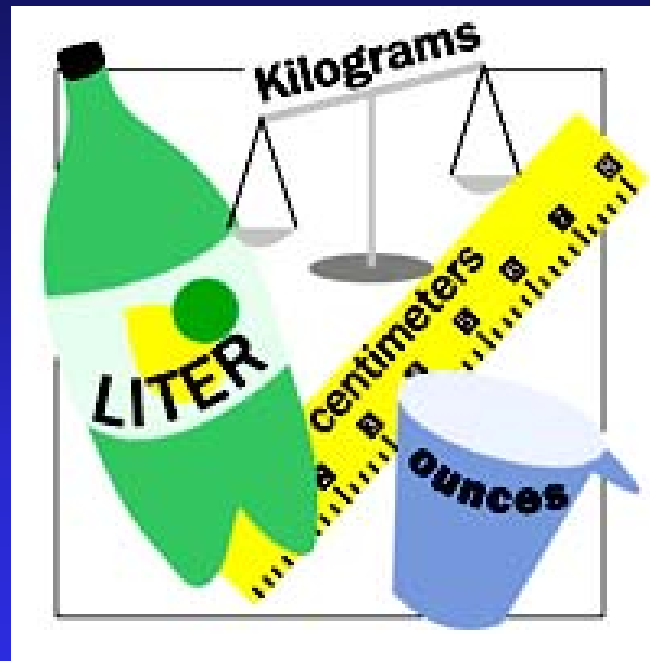


THE METRIC SYSTEM



PRESENTED BY MR. CONANT

WHY DO WE USE THE METRIC SYSTEM?

- Almost all other countries are using the metric system
- Other countries' companies are refusing to buy products from the U.S. if not labeled in metric units
- Scientists need a universal way to communicate data (SI Units)

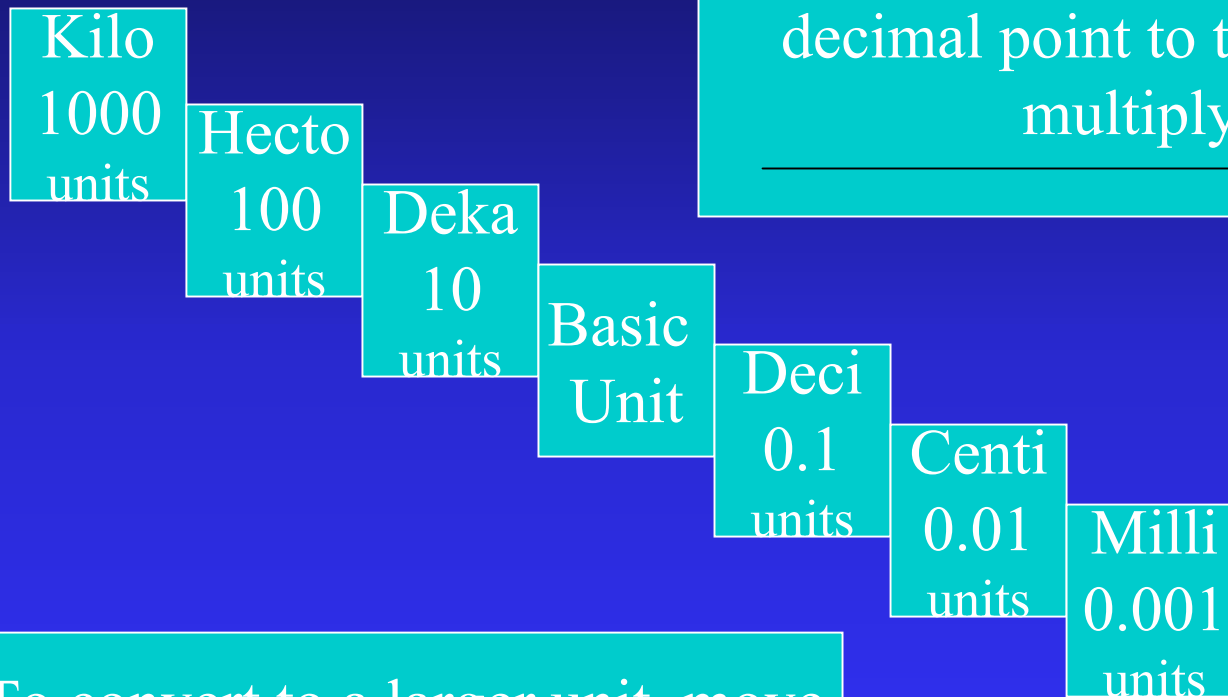
APPROXIMATE CONVERSIONS BETWEEN METRIC & US LENGTH UNITS

- A meter is about the same length as a yard
- A meter is about three feet long
- A decimeter is about four inches long
- An inch is about 25 millimeters
- A foot contains about 30 centimeters
- A foot contains about 3 decimeters

WHAT DOES THE METRIC SYSTEM MEASURE?

- The gram measures mass or how much something weighs
- The liter measures volume which is used when measuring liquids
- The meter measures the length of an object or the distance from place to place

THE METRIC CONVERSION CHART (LADDER METHOD)



To convert to a smaller unit, move decimal point to the right or multiply.

→

To convert to a larger unit, move decimal point to the left or divide

←

TRY THIS USING THE LADDER METHOD

$$1000 \text{ mg} = \underline{\hspace{2cm}} \text{ g}$$

- Step 1: Determine if you are going to go up or down the ladder.
- Step 2: Determine how many steps there are from milligrams to grams.
- Step 3: Move the decimal point the amount of places that was determined in steps 1 & 2.

TRY THIS USING THE LADDER METHOD

$$1 \text{ L} = \underline{\hspace{2cm}} \text{ ml}$$