## The Metric System

Complete your Identify Variables Worksheet

We will be Grading after the bell rings!

### Grading Homework

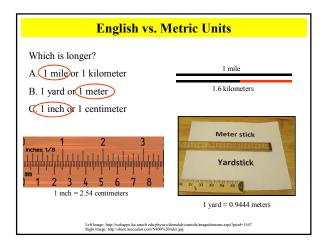
- Remove all Writing Utensils from your Table
- · You will be provided a red pen
- Correct any error you might have made
- · Your papers will be collected after grading
- You are going to be looking for a stamp on your paper after it is turned back to you

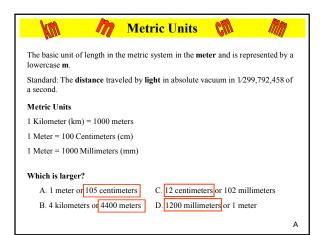
### SI Units

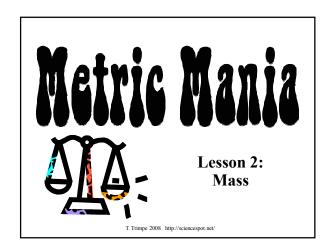
- Le Système International d'Unités
- Or SI
  - Established by the French after the French Revolutionary War
  - The SI was established in 1960 by the 11th General Conference on Weights and Measures

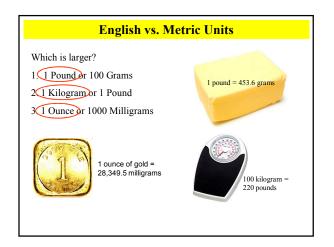
		•,
SI Base Units		
QUANTITY • LENGTH	<u>UNIT</u> METER	<u>UNIT</u> <u>SYMBOL</u> m
• MASS	KILOGRAM	kg
• TIME	SECOND	S
• VOLUME	LITER	L
TEMPERATURE	CELCIUS	С

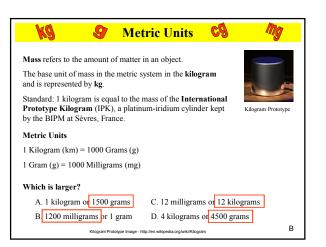


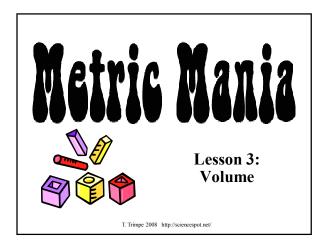




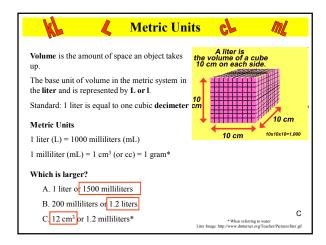


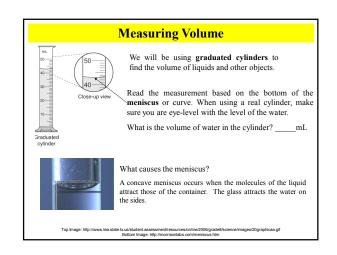


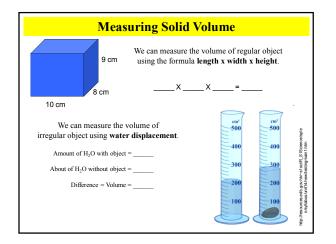


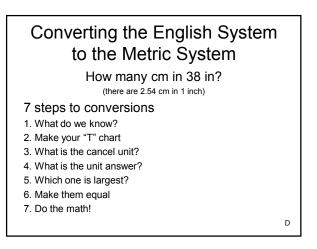


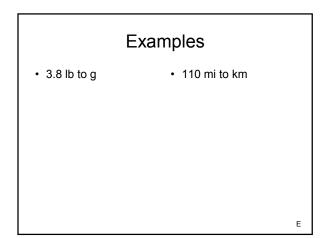














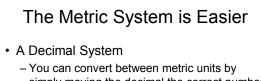
F



#### (c) Centi= 1/100<sup>th</sup> (m) Milli= 1/1000th

- So, 1 Decigram (dg)= 0.1 gram So, 1 Centimeter (cm)= 0.01m
- So, 1 Milliliter (mL)= 0.001L
- G

# **Using Conversion Ratios** Convert 6258.65 m to km Convert 765 cm to m н

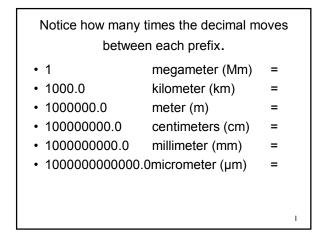


simply moving the decimal the correct number of places

Just move the decimal

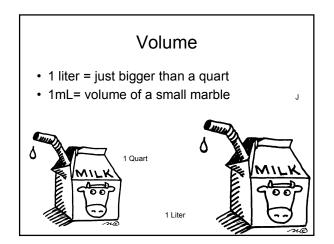
### REMEMBER; "Left for Larger"

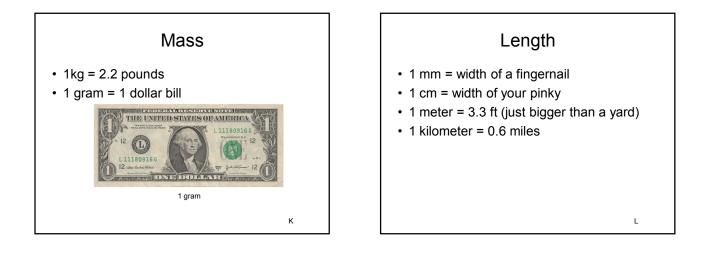
Larger Prefix: Move the Decimal Left



## How Big Are They?

· It's important to have a sense of these units so that we are not just talking numbers. A good scientist knows if a number makes sense.







## Homework

• We will grade next period