

Metric System Notes

9/15/11

Questions:

What is the difference between the cm and inch?

- Cm is much smaller
- Why? Why study the metric system?
 - Easier, it counts in 10s!!!!
 - Everybody else uses it!!!!

In the metric system there are 3 base units of measurement.

1. meter = length
2. liter = volume
3. gram = mass

kilo

hecto

deca

base= meter liter gram

deci

centi

milli

Most common: Meter, millimeter, centimeter, kilometer and liter.

Tip the ladder over and you get.....

Kilo hecto deca base deci centi milli

Memory game;

My children do bad deeds however kind.

When doing conversions ask yourself 3 questions.

1. Where am I starting
2. How many moves do I have to make and in what direction?
3. Move your decimal in the same direction the same number of times!!!!

Ex. $4.0 \text{ km} = 4,000,000.0 \text{ mm}$

(that is 6 moves to the right, so I moved my decimal 6 moves to the right also!!!!)

