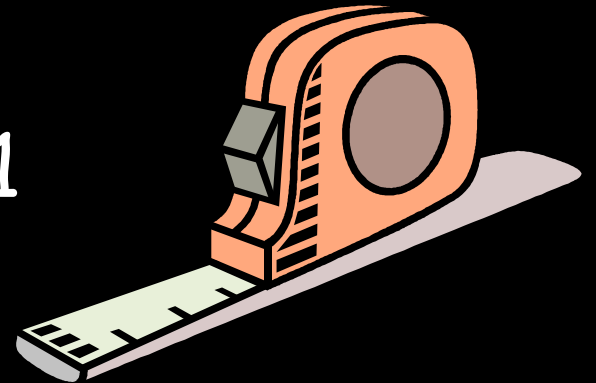


# Notes on the Metric System

August 26, 2011



# Numbers used in the English System of Measurement

12

3

5280

16

2000

4

2

8

3

# Metric System

System of measurement based on the number 10.

Length -



Length - distance from  
one given point to  
another. (How long  
something is)



**Meter** - the basic unit  
of measurement for  
length.

# Volume -



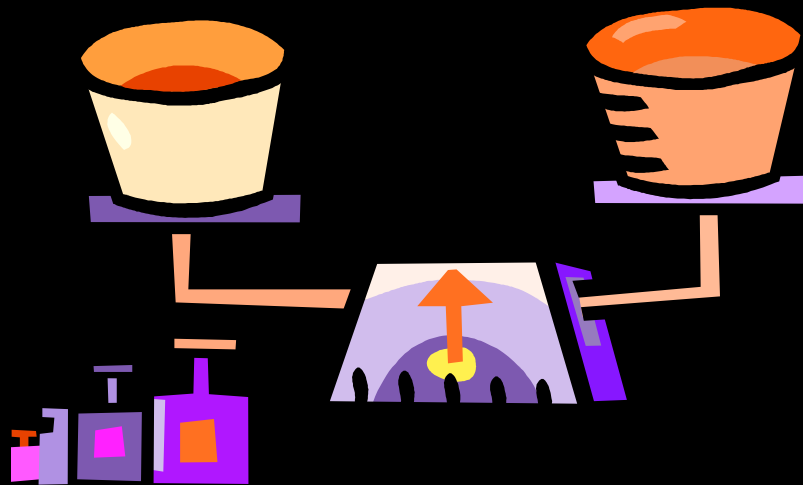
Volume - the amount of space an object takes up. (How big something is)



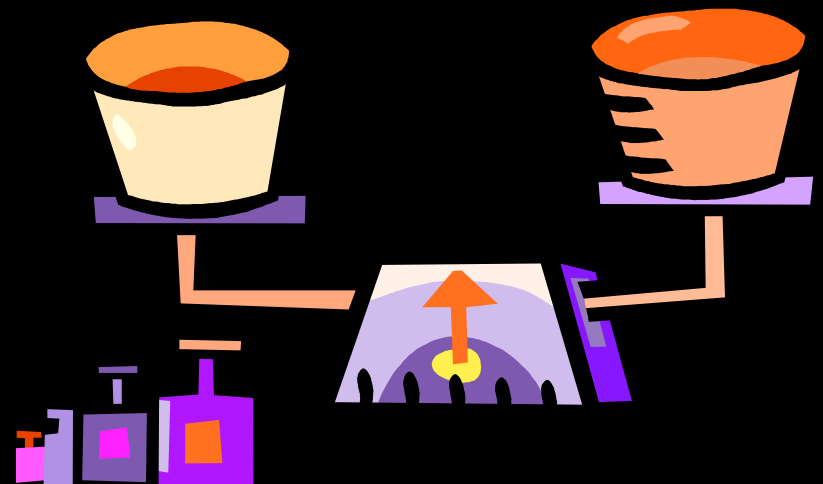
Liter - the basic unit of measurement for liquid volume.

Meter Cubed ( $M^3$ ) - the basic unit of measurement for solid volume.

# Mass -



Mass - the  
measurement of the  
amount of matter in  
an object.



Matter - what everything is  
made of. The stuff  
everything is made of.

Gram - the basic unit  
of measurement for  
mass.

Kilo - 1000

Hecto - 100

Deca - 10

Meter/Liter/Gram = 1

Deci -  $1/10$  or 0.1

Centi -  $1/100$  or 0.01

Milli -  $1/1000$  or 0.001

Mega - 1,000,000 (1 million)

Giga - 1,000,000,000 (1 billion)

Micro -  $1/1,000,000$

Nano =  $1/1,000,000,000$