Metric System

**Basic Units:**

Length – Meter

Volume -Liter

Weight – gram

**Prefixes:** Kilo (K) – 1000 Tera (T) – 1,000,000,000,000

Hecto (h) – 100 Giga (G) – 1,000,000,000

Deca (da) – 10 Mega (M) – 1,000,000

M,L,G - 1

Deci (d) – 0.1 Nano (n) – 0.000,000,001

Cent (c) - .01 Pico (p) – 0.000,000,000,001

Milli (m) – 0.001 femto (f) – 0.000,000,000,000,001

Micro (µ) – 0.000,001

**Equivalents:**

1 in. = 2.54 cm 1 cm3 = 1 mL

1 Meter = 39.37 in

1 meter = 1.0936 yd

I L = 1.06 qts

1 Kg = 2.2 lbs

1 lb = 454 grams

1 fl oz = 29.57 mL

1 Km = 0.6214 miles