**Dimensional Analysis Facts Sheet**

**POWERS of TEN**

Thousand = 103

Million = 106

Billion = 109

Trillion = 1012

Quadrillion =1015

Quintillion = 1018

**DISTANCE UNITS**

Parsec = 1.91738 x 1013 miles

Furlong = 1/8 mile

Rod = Pearch

Rod = 25 links

Football field = 100 yards

Soccer field = 100 meters

Rod = 5.50 yards

Fathom = 6 feet

Yard = 3 feet

foot = 12 inches

inch = 2.54 centimeters

centimeter = 10 millimeters

decimeter = 10 centimeters

meter = 100 centimeters

5280 feet = 1 mile

dekameter = 10 meters

Walking pace (avg) = 22 inches

Story on a building = 3 m

Light year = 9.467 x 1015 meters

Barn = 10-24 meters

League = 3 miles

**TIME UNITS**

millennium = 1,000 years

century = 100 years

decade = 10 years

years = 365 days

day = 24 hours

hour = 60 minutes

minute = 60 seconds

Blink of an eye = 1/10 of a second

fortnight = 14 days

**WEIGHTS and METRIC MASSES**

Pound = 16 ounces

Ton = 2000 pounds

Tonne = 1000 kilograms (metric ton)

Gram = 1000 milligrams

Kilogram = 1000 grams

Kilogram = 2.2 pounds

Poundal = 14.09808 grams

Dram = 60 grains

Grain = 7000 pounds

**VOLUME MEASUREMENTS**

1 liter = 1000 milliliters

2 liters = 64.75 ounces

1 gallon = 128 ounces

1 milliliter = cm3

1 milliliter = 20 drops

2 pints = 1 quart

4 quarts = 1 gallon