

# DIMENSIONAL ANALYSIS IMPORTANT CUSTOMARY UNITS

## Length

$$12 \text{ in} = 1 \text{ ft}$$

$$3 \text{ ft} = 1 \text{ yd}$$

$$5,280 \text{ ft} = 1 \text{ mi}$$

$$1,760 \text{ yd} = 1 \text{ mi}$$

## Weight

$$16 \text{ oz} = 1 \text{ lb}$$

$$2000 \text{ lb} = 1 \text{ T}$$

## Time

$$60 \text{ sec} = 1 \text{ min}$$

$$60 \text{ min} = 1 \text{ hr}$$

$$24 \text{ hr} = 1 \text{ day}$$

$$7 \text{ days} = 1 \text{ wk}$$

$$52 \text{ wk} = 1 \text{ yr}$$

$$12 \text{ mon} = 1 \text{ yr}$$

$$365 \text{ days} = 1 \text{ yr}$$

## Capacity

$$8 \text{ fl oz} = 1 \text{ c}$$

$$2 \text{ c} = 1 \text{ pt}$$

$$2 \text{ pt} = 1 \text{ qt}$$

$$4 \text{ qt} = 1 \text{ gal}$$

# DIMENSIONAL ANALYSIS IMPORTANT METRIC UNITS

**King** **Henry** **Died** **By** **Drinking** **Chocolate** **Milk**  
**I** **E** **E** **A** **E** **E** **I**  
**L** **C** **C** **S** **C** **N** **L**  
**O** **T** **A** **E** **I** **T** **L**  
 **O**    **I** **I**

METER  
LITER  
GRAM

<b>K</b>	<b>H</b>	<b>D</b>	<b>B</b>	<b>D</b>	<b>C</b>	<b>M</b>
<b>1000</b>	<b>100</b>	<b>10</b>	<b>1</b>	<b>.1</b>	<b>.01</b>	<b>.001</b>

Multiply by 10 if you are getting small (MOVE THE DECIMAL TO THE RIGHT)

Divide by 10 if you are getting big (MOVE THE DECIMAL TO THE LEFT)