Conversion Factors

**Exact Numbers**

1 mL = 1 cm3

1 L = 1 dm3

1 inch = 2.54 cm

1 mile = 5280 ft

12 in = 1 ft

3 ft = 1 yd

1 lb = 16 oz (dry weight)

1 gal = 4 qt

2 pts = 1 qt

2 cups = 1 pt

2000 lbs = 1 ton

all metric conversions

**NOT Exact Numbers**

453.6 g = 1 lb

946.4 mL = 1 qt

1.609 km = 1 mile

**Temperature Conversions**

K = °C +273

°F = (1.8 x °C) + 32

°C = (°F-32)/1.8

**Heat Formulas**

q = mcΔT

q = mΔH(f or v)

ΔTf = kf mί

ΔTb = kb mί

**Metric Prefixes**

tera (T)

*space*

*space*

giga (G)

*space*

*space*

mega (M)

*space*

*space*

kilo (k)

hecto (h)

deca (da)

**BASE**

deci (d)

centi (c)

milli (m)

*space*

*space*

micro (*μ*)

*space*

*space*

nano (n)