



Conversion Table

Linear

1 in	=	2.54 cm
1 ft	=	0.3048 m
1 m	=	1000 mm
	=	100 cm
	=	39.37 in
1 mi	=	1.609 km
	=	5280 ft
1 km	=	0.6214 mi
1 micron (u)	=	10 ⁻⁶ m
1 mil	=	.001 in
	=	25.4 microns (u)

Volume

1 gal	=	3.785 liters
	=	8.34 lbs for water
1 ft ³	=	7.48 gal
1 gal	=	128 fl oz
1 qt	=	32 fl oz
1 pt	=	16 fl oz
1 fl oz	=	29.6 ml

Energy

1 ft ³ nat gas	=	approx 1,000 btu
1 therm	=	100,000 btu
1 kwh	=	3,412 btu
1 hp	=	0.746 kw
1 kw	=	1.341 hp
1 ton a/c	=	12,000 btu/hr
	=	1 kw
1 degree day	=	65 °F - mean °F of day
°F	=	9/5(°C) + 32
(BTU = energy to heat 1 lb of water 1 °F)		

Weight

1 lb	=	16 oz
	=	0.45359 kg
1 kg	=	2.205 lb
1 ton	=	2000 lbs
	=	907.18 kg
1 gal	=	8.34 lbs for water

Pressure

1 ft water	=	0.433 psi
1 psi	=	2.31 ft water
	=	2.04 in Hg
1 atm	=	14.7 psi

Others

1 gr per gal	=	17.1 ppm
(1 gal of water dissolves 2.5 lbs of salt)		

Mega (M)	=	10 ⁶
kilo (k)	=	10 ³
deci (d)	=	10 ⁻¹
centi (c)	=	10 ⁻²
milli (m)	=	10 ⁻³
micro (u)	=	10 ⁻⁶
nano (n)	=	10 ⁻⁹
pico (p)	=	10 ⁻¹²