

CONVERSION TABLE & DECIMAL EQUIVALENTS

U.S. TO METRIC

Multiply:	by:	to get:	or by:	to get:
LINEAR				
inches	x 25.4	= millimeters (mm)	x 0.03937	= inches
inches	x 2.54	= centimeters(cm)	x 0.3937	= inches
feet	x 0.3048	= meters(m)	x 3.281	= feet
yards	x 0.9144	= meters(m)	x 39.37 inches or 3.281 feet	
miles	x 1.609	= kilometers (km)	x 0.6214	= miles
AREA				
sq inches	x 645.16	= sq millimeters (mm sq)	x 0.00155	= inches sq
sq inches	x 6.4516	= sq centimeters(cm sq)	x 0.155	= inches sq
sq feet	x 0.0929	= sq meters(m sq)	x 10.764	= feet sq
sq yard	x 0.8361	= sq meters(m sq)	x 1.196	= yards sq
sq mile	x 259.0	= sq kilometers (km sq)	x 0.3861	= sq mile
VOLUME				
cu inches	x 16387.0	= cu millimeters (mm cu)	x 0.000061	= inches cu
cu inches	x 16.387	= cu centimeters (cm cu)	x 0.06102	= inches cu
cu inches	x 0.01639	= liters (l)	x 61.024	= inches cu
quarts	x 0.94635	= liters (l)	x 1.0567	= quarts
gallons	x 3.7854	= liters (l)	x 0.2642	= gallons
cu feet	x 28.317	= liters (l)	x 0.03531	= feet cu
cu feet	x 0.02832	= cu meters (m cu)	x 35.315	= feet cu
cu yard	x 0.07646	= cu meters (m cu)	x 1.308	= yards cu
fluid oz	x 29.57	= millileters (ml)	x 0.03381	= fluid oz
MASS				
ounces (av)	x 28.35	= grams (g)	x 0.03527	= ounces (av)
pounds (av)	x 0.4536	= kilograms (kg)	x 2.2046	= pounds (av)
ton (2,000 lb)	x 907.18	= kilograms (kg)	x 0.001102	= ton (2,000 lb)

Multiply:	by:	to get:	or by:	to get:
FUEL ECONOMY				
miles/gal	x 0.42514	= kilometers/liter (km/l)	x 2.3522	= miles/gal
gal/mile	x 2.3522	= liter/kilometers (l/km)	x 0.42514	= gal/mile
gal/mile	x 235.22	= liter/100 kilometers (l/100km)	x 0.004251	= gal/mile
POWER				
horsepower	x 0.746	= kilowatts (kW)	x 1.34	= horsepower
ft-lb/min	x 0.0226	= watts (W)	x 44.25	= ft-lb/min
TORQUE				
pound-inches	x 0.11298	= newton-meters (N*m)	x 8.851	= pound-inches
pound-feet	x 1.3558	= newton-meters (N*m)	x 10.7376	= pound-feet
VELOCITY				
miles/hour	x 1.6093	= kilometers/hour (km/h)	x 0.6214	= miles/hour
kilometers/hour	x 0.27778	= meters/sec (m/s)	x 3.600	= kilometers/hour
miles/hour	x 0.4470	= meters/sec (m/s)	x 2.237	= miles/hour
COMMON METRIC PREFIXES				
mega (M)	=1,000,000	deci (d)	=0.1	
kilo (k)	=1,000	centi (c)	=0.01	
hecto (h)	=100	milli (m)	=0.001	
deka (dk)	=10	micro (mc)	=0.000001	
U.S./CANADIAN GALLON				
1 U.S. Gallon = .833 Canadian Gallon				
1 Canadian Gallon = 1.201 U.S. Gallon				

U.S. TO DECIMAL

1/32	0.03125
1/16	0.0625
3/32	0.09375
1/8	0.125
5/32	0.15625
3/16	0.1875
7/32	0.21875
1/4	0.25

9/32	0.28125
5/16	0.3125
11/32	0.34375
3/8	0.375
13/32	0.40625
7/16	0.4375
15/32	0.46875
1/2	0.5

17/32	0.53125
9/16	0.5625
19/32	0.59375
5/8	0.625
21/32	0.65625
11/16	0.6875
23/32	0.71875
3/4	0.75

25/32	0.78125
13/16	0.8125
27/32	0.84375
7/8	0.875
29/32	0.90625
15/16	0.9375
31/32	0.96875
1	1.0