

CONVERSION FACTORS		
METRIC SYSTEM		
Units	Equivalent in other units of same system	Metric equivalent
WEIGHT		
Ton	Avoirdupois	
Short ton	20 short hundred weight, 2,000 pounds	0.907 metric ton
Long ton	20 long hundred weight, 2,240 pounds	1.016 metric ton
Stone	14 pounds	6.342 kgs
Pound	16 ounces, 7000 grains	0.453 kgs
Ounce	16 drams, 437.5 grains	8.349 grams
Dram	27343 grains, 0.0625 ounce	1.771 grams
Grain	0.036, 0.002285 ounces	0.0648 grams
LENGTH		
Mile	5,280 feet, 320 rods, 1760 yards	1.609 kilometers
Rod	5.50 yards, 16.5 feet	5.029 kilometer
Yard	3 feet, 36 inches	0.914 meters
Foot	12 inches, 0.333 yard	30.480 centimeters
Inch	0.083 foot, 0.027 yard	2.540 centimeter
AREA		
Square mile	640 acres, 102,400 square rods	2.590 sq: km
Acre	4,840 square yards, 43,560 square feet	0.405 hectare, 4,047 sq: meters
Square rod	30.25 square yards, 0.006 acres	25.293 sq: meters
Square yard	1,296 square inches, 9 square feet	0.836 sq: meters
Square foot	144 square inches, 0.111 sq: yards	0.093 sq: meters
Square inch	0.007 square feet, 0.00077 sq: yards	6.451 sq: centimeters
Square meter	10.76 square feet, 1.19599 sq: yards	0.03954 marla
Hectare	2.471047 acres, 11959.9 sq: yards	10000 sq: meters
Square km	0.386102 sq: miles, 247.1047 acres	100 hectares

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VOLUME		
Cubic yard	27 cubic feet, 46,656 cubic inches	0.765 cubic meter
Cubic foot	1,728 cubic inches, 0.0370 cubic yard	0.028 cubic meter
Cubic inch	0.00058 cubic foot, 0.00021 cubic yard	16.387 cubic centimeters
CAPACITY		
British Imperial Liquid & Dry measure		
Bushel	4 Pecks (2,219.36 cubic inches)	0.036 cubic meter
Peck	2 Gallons (554.84 cubic inches)	0.009 cubic meter
Gallon	4 Quarts (277.420 cubic inches)	4.545 liters
Quart	2 Pints (69.355 cubic inches)	1.136 liters
Pint	4 Gills (34.678 cubic inches)	568.26 cubic centimeters
Gill	5 Fluid ounce (8.669 cubic inches)	142.066 cubic centimeters
Fluid ounce	8 Fluid drams (1.7339 cubic inches)	28.416 cubic centimeters
Fluid dram	28.416 cubic centimeters	3.5516 cubic centimeters
Minim	1/50 Fluid drams (0.003612 cubic inches)	0.059194 cubic centimeters
CAPACITY		
U.S. Liquid & Dry measure		
Bushel	4 Pecks (2,150.42 cubic inches)	35.328 liters
Peck	8 Quarts (537.605 cubic inches)	8.800 liters
Quart	2 Pints (67.200 cubic inches)	1.101 liters
Pint	½ Quarts (33.600 cubic inches)	0.550 liters
Gallon	4 Quarts (231 cubic inches)	3.785 liters
Quart	2 Pints (57.75 cubic inches)	0.946 liters
Pint	4 Gills (28.875 cubic inches)	0.473 liters
Gill	4 Fluid ounce (7.218 cubic inches)	118.291 milliliters
Fluid ounce	8 Fluid drams (1.804 cubic inches)	29.573 milliliters
Fluid dram	60 minims (0.225 cubic inches)	3.696 milliliters
Minim	1/50 Fluid drams (0.003759 cubic inches)	0.061610 milliliter

CONVERSION FACTORS		
Units	LENGTH	
1 mm	=	0.03937 inches
1 cm	=	0.3937 inches
1 m	=	39.37 inches
1 m	=	3.281 feet
1 m	=	1.0936 yards
1 km	=	0.62137 statute mile
1 km	=	0.5396 nautical mile
	WEIGHT	
1 hg	=	0.527 ounce (avoirdupois)
1 kg	=	2.2046 lbs: (avoirdupois)
1 kg	=	35.27 ounce (avoirdupois)
1 q	=	220.46 lbs: (avoirdupois)
1 t	=	0.98421 tons: (long ton GB)
	SURFACE	
1 mmg	=	0.00155 sq: inch
1 cmg	=	0.155 sq: inch
1 mg	=	10.764 sq: feet
1 mg	=	1.196 sq: yards
1 kmg	=	0.3861 sq: mile
1 kmg	=	247.1 acres
1 ha	=	2.471 acres
	CAPACITY	
1 mc	=	35.314 cu. ft:
1 mc	=	1.308 cu. ft:
1 mc	=	264.18 gals (USA 231 cu. inches)
1 mc	=	220.09 gals (imperial gallon)
1 l	=	35.21 Fl. oz: (GB)
1 l	=	0.22009 gal (imp :)
1 hl	=	22.009 gals (imp :)
	TEMPERATURE	
Fahrenheit	=	(centigrade x 1.8) + 0.32
Centigrade	=	(fahrenheit -32) x 0.55
	HEAT	
1 Kcal	=	3.8 B.T.U.
mm= millimeter,	cm= centimeter, m= meter,	km = kilometer,
kg= kilogram,	q = quintal, t= ton,	l = liter

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