

## M E T R I C   S Y S T E M

<b>Units</b>	<b>Equivalent in other Units of Same System</b>	<b>Metric Equivalent</b>
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### Weight

<i>Ton</i>	<i>Avoirdupois</i>	
<i>Short ton</i>	<i>20 Short hundredweight, 2,000 Pounds</i>	<i>0.907 metric ton</i>
<i>Long ton</i>	<i>20 Long hundredweight, 2,240 Pounds</i>	<i>1.016 metric ton</i>
<i>Hundredweight</i>		
<i>Short hundredweight</i>	<i>100 Pounds, 0.05 short ton</i>	<i>45.359 Kgs</i>
<i>Long hundredweight</i>	<i>112 Pounds, 0.05 long ton</i>	<i>58.802 Kgs</i>
<i>Stone</i>	<i>14 Pounds</i>	<i>6.342 Kgs</i>
<i>Pound</i>	<i>16 ounces, 7000 grains</i>	<i>0.453 Kgs</i>
<i>Ounce</i>	<i>16 drams, 437.5 grains</i>	<i>28.349 grams</i>
<i>Dram</i>	<i>27343 grains, 0.0625 ounce</i>	<i>1.771 grams</i>
<i>Grain</i>	<i>0.036, 0.002285 ounces</i>	<i>0.0648 grams</i>

### Length

<i>Mile</i>	<i>5,280 feet, 320 rods, 1760 yards</i>	<i>1.609 Kilometer</i>
<i>Rod</i>	<i>5.50 yards, 16.5 feet</i>	<i>5.029 Kilometer</i>
<i>Yard</i>	<i>3 feet, 36 inches</i>	<i>0.914 metro</i>
<i>Foot</i>	<i>12 inches, 0.333 yard</i>	<i>30.480 Centimeters</i>
<i>Inch</i>	<i>0.083 foot, 0.027 yard</i>	<i>2.540 Centimeter</i>

### Area

<i>Square mile</i>	<i>640 Acres, 102,400 square rods</i>	<i>2.590 Sq. k.m.</i>
<i>Acres</i>	<i>4,840 Square yards, 43,560 Square feet</i>	<i>0.405 hectare, 4,047 Sq.meter</i>
<i>Square rod</i>	<i>30.25 Square yards, 0.006 Acres</i>	<i>25.293 Sq. meters</i>
<i>Square yard</i>	<i>1,296 Square inches, 9 Square feet</i>	<i>0.836 Sq. meters</i>
<i>Square foot</i>	<i>144 Square inches, 0.111 Sq. yards</i>	<i>0.093 Sq. meters</i>
<i>Square inch</i>	<i>0.007 Square foot, 0.00077 Sq. yards</i>	<i>6.451 Sq. centimeters</i>

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### Volume

<i>Cubic yard</i>	<i>27 cubic feet, 46,656 cubic inches</i>	<i>0.765 cubic meter</i>
<i>Cubic foot</i>	<i>1,728 cubic inches, 0.0370 cubic yard</i>	<i>0.028 cubic meter</i>
<i>Cubic inch</i>	<i>0.00058 cubic foot, 0.00021 cubic yard</i>	<i>16.387 cubic centimeter</i>

### Capacity

#### British Imperial Liquid & Dry measure

<i>Bushel</i>	<i>4 Pecks (2,219.36 cubic inches)</i>	<i>0.036 cubic meter</i>
<i>Peck</i>	<i>2 Gallons (554.84 cubic inches)</i>	<i>0.009 cubic meter</i>
<i>Gallon</i>	<i>4 Quarts (277.420 cubic inches)</i>	<i>4.545 liters</i>
<i>Quart</i>	<i>2 Pints (69.355 cubic inches)</i>	<i>1.136 liters</i>
<i>Pint</i>	<i>4 Gills (34.678 cubic inches)</i>	<i>568.26 cubic centimeters</i>
<i>Gill</i>	<i>5 Fluid ounce (8.669 cubic inches)</i>	<i>142.066 cubic centimeters</i>
<i>Fluid ounce</i>	<i>8 Fluid drams (1.7339 cubic inches)</i>	<i>28.416 cubic centimeters</i>
<i>Fluid dram</i>	<i>60minims (0.216734 cubic inches)</i>	<i>3.5516 Cubic centimeters</i>
<i>Minim</i>	<i>1/50 Fluid drams (0.003612 cubic inches)</i>	<i>0.059194 cubic centimeters</i>

### Capacity

#### U. S. Liquid & Dry measure

<i>Bushel</i>	<i>4 Pecks (2,150.42 cubic inches)</i>	<i>35.328 Liters</i>
<i>Peck</i>	<i>8 Quarts (537.605 cubic inches)</i>	<i>8.800 liters</i>
<i>Quart</i>	<i>2 Pints (67.200 cubic inches)</i>	<i>1.101 Liters</i>
<i>Pint</i>	<i>½ Quarts (33.600 cubic inches)</i>	<i>0.550 Liters</i>
<i>Gallon</i>	<i>4 Quarts (231cubic inches)</i>	<i>3.785 liters</i>
<i>Quart</i>	<i>2 Pints (57.75 cubic inches)</i>	<i>0.946 liters</i>
<i>Pint</i>	<i>4 Gills (28.875 cubic inches)</i>	<i>0.473 Liters</i>
<i>Gill</i>	<i>4 Fluid ounce (7.218 cubic inches)</i>	<i>118.291 Milliliters</i>
<i>Fluid ounce</i>	<i>8 Fluid drams (1.804 cubic inches)</i>	<i>29.573 Milliliters</i>
<i>Fluid dram</i>	<i>60minims (0.225 cubic inches)</i>	<i>3.696 Milliliters</i>
<i>Minim</i>	<i>1/50 Fluid drams (0.003759 cubic inches)</i>	<i>0.061610 Milliliter</i>

## Conversion Table

### I 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

### II 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)

### III 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

#### IV 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.)

#### V Temperature

Fahrenheit	=	( Centigrade x 1.8 ) + 0.32
Centigrade	=	( Fahrenheit – 32 ) x 0.55

#### VI Heat

1 Kcal	=	3.8 B.T.U.
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*mm = millimeter,      cm = centimeter,      m = meter,      km = kilometer,*  
*kg = kilogram,      q = quintal,      t = ton,      l = liter*