

Time/system Info Weights, Measures and Temperature Scales

Metric Measure	Equivalent in British or American Measure	British or American Measure	Equivalent in Metric Measure
Linear Measure:			
1 Centim. (cm)	0.394 Inch (in.)	1 In.	2.540 cm
1 Metre (m)	3.281 Feet (ft.) 1.094 Yards (yd.)	1 Ft. (12 in.) 1 Yd (3 ft. = 36 in.)	30.480 cm 91.440 cm (32 m = 35 Yards)
1 Kilometre (km) (8 km = 5 Miles approx.)	0.621 Mile (ml.) 0.540 Nautical Mile	1 Mi. ("Statute MI.") = 1,760 Yd. 1 Nautic. Mi., Internat.	1,609 m 1.852 km
Surface Measure:			
1 Square Metre (m ²)	10.765 Square Feet (sq.ft.) 1.196 Square Yards (sq.yd)	1 Sq. Ft. (144 sq.in.) 1 Sq. Yd. (9 sq.ft.)	0.093 m ² 0.836 m ²
1 Hectare (ha) = 100 Ares (a) = 10,000 m ²	2.471 Acres	1 Acre (4,840 sq.Yd.)	40.469 a = 0.405 ha
1 Square Kilometre (km ²)	0.386 Square Mile (sq.mi.) 168.120 Claims (cl.)	1 Sq. Mi. (640 Acres) 1 Cl. (64,025 sq.ft.)	2.590 km ² = 259.0 ha 0.006 km ² = 0.595 ha
Volume and Liquid Measure:			
1 Litre (l) = 1000 cm ³	35.211 Fluid Ounces (oz.fl.) 1.760 Imperial Pints (imp.pt.) 0.880 Imperial Quart (imp.qt.) 0.220 Imperial Gallon (imp.gal)	1 Imp. Oz. 1 Imp. Pt. (4 gills) 1 Imp. Qt. (2 pt) 1 Imp. Gal. (4 qt. = pt. 277 Cubin in.)	0.284 dl 0.568 l 1.137 l 4.546 l
1 Hectolitre (hl) = 100 l	1.057 US. Quarts (US.qt.) 0.264 US. Gallon (US.gal.) 21.998 Imperial Gal. (imp.gal.) 26.418 US. Gallons (US.gal.) 2.750 Imperial Bushels 2.838 US. Bushels 0.355 Quater (gr.)	1 US Pt 1 US Fl. Oz. 1 US Qt. 1 US Gal. (231 cu.in.) 1 Imp. Gal. 1 US Gal. 1 Imp. Bushel (8 imp.gal.) 1 US Bushel 1 Quarter (8 Bushels)	0.473 l 0.296 dl 0.946 l 3.785 l 0.045 hl = 4.546 l 0.038 hl = 3.785 l 0.364 hl = 36.369 l 0.352 hl = 35.239 l 2.819 hl = 281.912 l
1 Cubic Decimetre (dm ³)	61.023 Cubic Inches (cu.in.)	1 Cu. In.	16.387 cm ³
1 Cubic Metre (m ³) = 1000 l	35.314 Cubic Feet (cu.ft.) 1.308 Cubic Yards (cu.yd.) 0.353 Register Ton (RT)	1 Cu. Ft. (1728 cu.in.) 1 Cu. Yd. (27 cu.ft.) 1 RT (100 cu.ft.)	0.028 m ³ 0.765 m ³ 2.832 m ³
Weights			
1 Gramme (g)	15.432 Grains (gr.) 0.643 Pennyweight (dwt.) 0.035 Avdp. Ounces (oz.)	1 Gr. 1 Dwt. (24 gr.) 1 Avdp. Oz. (437,5 gr. = = 1/16 avdp. ib.)	0.065 g 1.555 g
1 Kilogramme (kg) = 1000 g	32.151 Troy Ounces (tr.oz.) 2.205 Avdp. Pounds (lb.) 0.157 Stone (st.) 0.079 Quarter (gr.)	1 Tr. Oz. (1/12 engl. tr.lb.) 1 Avdp. Lb. (16 oz.) 1 St. (14 lb) 1 Qt. (28 lb.)	0.028 kg = 28.350 g 0.031 kg = 31.104 g 0.454 kg = 453.592 g 6.350 kg 12.701 kg
1 Quintal (q) = 100 kg	220.462 Avdp. Pounds 2.205 Centals (U.S. Hundredweights) 1.968 Hundredweights (cwt.)	1 Ct. (100 lb.) = 1 US Hdw. 1 Hdw. (4 qt. = 112 lb.)	0.454 q = 45.359 kg 50.802 kg
1 Metric Ton (t) = 10 q = 1000 kg	1.102 Short Tons (sh.tn.) 0.984 Long or Gross Ton (l.tn.)	1 Sh. Tn. (2000 lb) 1 L. Tn. (20 hundredw. = 80 qt. = 2240 lb.)	0.907 t = 907.185 kg 1.106 t = 1,016.047 kg

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Measures

Paper sizes	Inches	Millimetres
Large post	16 ¹ / ₂ x 21	419.1 x 533.4
Demy	17 ¹ / ₂ x 22 ¹ / ₂	444.5 x 571.5
Medium	18 x 23	457.2 x 584.2
Royal	20 x 25	508 x 635
Double crown	20 x 30	508 x 762

'A' Series (metric sizes)

A0	33 ¹ / ₈ x 46 ³ / ₄	841 x 1189
A1	23 ³ / ₈ x 33 ¹ / ₈	594 x 841
A2	16 ¹ / ₂ x 23 ³ / ₈	420 x 594
A3	11 ³ / ₄ x 16 ¹ / ₂	297 x 420
A4	8 ¹ / ₄ x 11 ³ / ₄	210 x 297
A5	5 ⁷ / ₈ x 8 ¹ / ₄	148 x 210

Energy

1000 British thermal units (Btu)	= 0.293 kWh
100000 Btu	= 1 therm
1 UK horsepower	= 0.7457 kilowatt

Petroleum

1 barrel	= 42 US gallons
	= 34.97 UK gallons
	= 0.159 cubic metre

Precious metals 24 carat implies pure metal


1 metric carat	= 200 milligrams
1 fine ounce	= 480 grains
1 troy ounce	= 31.1035 grams

Water

1 litre	weights 1 kilogram
1 cubic metre	weights 1 tonne
1 UK gallon	weights 10.022 lb
1 UK gallon salt water	weights 10.3 lb

Temperature Scales

C°	F°
100	212
90	194
80	176
70	158
60	140
50	122
40	104
35	95
30	86
25	77
20	68
15	59
10	50
5	41
0	32
-5	23
-10	14
-15	5
-17.8	0
-20	-4
-25	-13
-30	-22



To Compute Fahrenheit:
Multiply Centigrade by 1.8 and add 32

To Compute Centigrade:
Subtract 32 from Fahrenheit and divide by 1.8

Km and Miles

Km	Miles
140	86.99
130	80.78
120	74.56
110	68.35
100	62.14
90	55.92
80	49.71
70	43.50
60	37.28
50	31.07
40	24.86
30	18.64
20	12.43
10	6.21
1	0.62

