



Weights & Measures

LINEAR MEASURE

10 millimeters	1 centimeter
10 centimeters	1 decimeter
10 decimeters	1 meter
10 meters	1 decameter
10 decameters	1 hectometer
10 hectometers	1 kilometer

WEIGHTS

10 milligrams	1 centigram
10 centigrams	1 decigram
10 decigrams	1 gram
10 grams	1 decagram
10 decagrams	1 hectogram
10 hectograms	1 kilogram
100 kilograms	1 quintal
10 quintal	1 ton
1000 kilograms	1 ton

METRIC EQUIVALENTS

Length

1 millimeter	0.03937 ins
1 centimeter	0.3937 ins
1 meter	39.3701 ins
1 meter	3.2808 ft
1 meter	1.0936 yards
1 meter	0.54681 fathoms
1 kilometer	0.62137 miles (land)
1 kilometer	0.53961 miles (UK sea)
1 kilometer	0.53996 miles, international nautical

Volume & Capacity

1 cu.	0.06102 cu. Ins
Centimeter	
1 liter	61.024 cu. ins
1 liter	0.0353 cu. ft
1 liter	.2642 US gallons
1 liter	0.2200 UK gallons
1 hectoliter	26.417 US gallons
1 hectoliter	21.997 UK gallons
1 hectoliter	2.838 US bushels
1 hectoliter	2.750 UK bushels
1 cu. meter	35.3147 cu. feet
1 cu. meter	1.30795 cu. yards
1 cu. meter	264.172 US gallons
1 cu. meter	219.969 UK gallons
1 cu. meter	6.11025 UK bulk barrels

Weight (Mass)

1 milligram	0.01543 grains
1 gram	0.03527 ounces
1 kilogram	2.20462 pounds
1 metric quintal	220.462 pounds
1 metric ton	2,204.62 pounds
1 metric ton	1.10231 short tons
1 metric ton	0.984207 long tons

SQUARE MEASURE

144 sq. ins	1 sq. foot
9 sq. feet	1 cu. yard
1,210 sq yards	1 rood
4 roods	1 acre (4840 sq. yd.)
640 acres	1 sq. mile

AREA

1 sq. millimeter	0.00155 sq. ins
1 sq. centimeter	0.1550 sq. ins
1 sq. meter	10.7639 sq. feet
1 sq. meter	1.19599 sq. yards
1 hectare	2.47105 acres
1 sq. kilometer	247.105 acres
1 sq. kilometer	0.3861 sq. miles

CUBIC MEASURE

1,728 cu. ins	1 cu. foot
27 cu. feet	1 cu. yard
128 cu. feet	1 cord (wood)
40 cu. feet	1 ton (shipping)
2,150.42 cu. ins	1 standard bu
231 cu. ins	1 US standard gal about 4/5 of a bushel
1 cu. foot	

AVOIRDUPOIS WEIGHT

16 drams	1 ounce
16 ounces	1 pound
14 pounds	1 stone
28 pounds	1 quarter
4 quarters	1 cwt
20 cwt	1 ton (2,240 lbs)
2,000 pounds	1 short ton
2,240 pounds	1 long ton

