

GENERAL DATA

1 Calorie	=	3.968 B. t. u.
1 B. t. u.	=	0.252 Calorie
1 lb. per sq. in.	=	703.08 kilogrammes per m ²
1 Kilogramme per m ²	=	0.00142 lbs. per sq. in.
1 Calorie per m ²	=	0.3687 B. t. u. per sq. ft.
1 B. t. u. per sq. ft.	=	2.712 calories per m ²
1 Calorie per m ² per deg difference cent.	=	0.2048 B. t. u. per sq. ft. per deg. difference fahr.
1 B. t. u. per sq. ft. per deg. difference fahr.	=	4.882 Calories per m ² per deg. difference cent.
1 B. t. u. per lb.	=	0.556 Calories per kilog.
1 Calorie per kilog.	=	1.8 B. t. u. per lb.
1 Litre of Coke at 26.3 lb. per cu. ft.	=	0.93 lbs.
1 lb. of Coke at 26.3 lb. per cu. ft.	=	1.076 litres.
Water expands in bulk from 40 deg. to 212 deg.	=	One twenty-third.
A cubic inch of water evaporated under ordinary atmospheric pressure is converted into 1 cubic foot of steam (approximately).		

WEIGHTS

1 cu. in. of Cast Iron	weighs	0.260 lb.
1 cu. in. of Wrought Iron	weighs	0.280 lb.
1 cu. in. of Water	weighs	0.036 lb.
1 U. S. gal.	weighs	8.330 lb.
1 Imperial gal.	weighs	10.000 lb.
1 U. S. gal.	equals	231.000 cu. in.
1 Imperial gal.	equals	277.274 cu. in.
1 cu. ft. of Water	equals	7.480 U. S. gal.
1 lb. of Steam	equals	27.222 cu. ft.
1 lb. of Air	equals	13.817 cu. ft.

WEIGHTS AND MEASURES

SURVEYORS MEASURE

7.92 in.	1 link
25 links.	1 rod 4 rods.
10 sq. chains or 160 sq. rods.	1 acre
640 acres.	1 sq. mile
36 sq. miles (6 miles sq.)	1 township

CUBIC MEASURE

1728 cu. in.	1 cu. ft.	128 cu. ft.	1 cord (wood)
27 cu. ft.	1 cu. yd.	40 c. f.	1 ton (shpg)
2150.42 cu. in.			1 standard bu.
231 cu. in.			1 U. S. standard gal.
1 cu. ft.			about 4/5 of a bu.

METRIC EQUIVALENTS—LINEAR MEASURE

1 centimeter	0.3937 in.	1 in.	2.54 centimeters
1 decimeter	3.937 in.		0.328 ft.
1 ft.			3.048 decimeters
1 meter	39.37 in.		1.0936 yards
1 yd.			0.9144 meter
1 dekameter	1.9884 rods	1 rd.	0.5029 dekameter
1 kilometer	0.62137 m.	1 m.	1.6093 kilometers

SQUARE MEASURE

1 sq. centimeter	0.1550 sq. in.	1 sq. in.	6.452 sq. centimeters
1 sq. decimeter	0.1076 sq. ft.	1 sq. ft.	9.2903 sq. decimeters
1 sq. meter	1.196 sq. yd.	1 sq. yd.	0.8361 sq. m ²
1 are	3.954 sq. rods	1 sq. rd.	0.2529 are
1 hectare	2.47 acres	1 acre	0.4047 hectare
1 sq. kilometer	0.386 sq. m.	1 sq. m.	2.59 sq. kilometers

WEIGHTS

1 gram.	0.03527 ounce	1 oz.	28.35 grams
1 kilogram	2.2046 lbs.	1 lb.	0.4536 kilogram
1 metric ton	1.1023 English tons	1 English ton	0.9072 metric ton

APPROXIMATE METRIC EQUIVALENTS

1 decimeter	4 in.	1 liter	1.06 qts. liquid
1 meter	1.1 yds.		0.9 qt. dry
1 kilometer	5/8 of a mile	1 hektoliter	2 1/2 bu.
1 hectare	2 1/2 acres	1 kilogram	2 1/4 lb.
1 stere, or cu. meter.	1/4 of a cord	1 metric ton	2,200 lb.

TROY WEIGHT

24 grains	1 pwt.
20 pwt.	1 oz.
Used for weighing gold, silver and jewels.	

APOTHECARIES WEIGHT

20 grains	1 scruple	8 drams	1 oz.
3 scruples	1 dram	12 oz.	1 lb.
Ounce and pound are the same as in Troy Weight.			

AVOIRDUPOIS WEIGHT

27 1/8 grains	1 dram	4 quarters	1 cwt.
16 drams	1 oz.	2,000 lb.	1 short ton
16 oz.	1 lb.	2,240 lb.	1 long ton
25 lb.	1 quarter		

DRY MEASURE

2 pints	1 qt.	4 pecks	1 bu.
8 qts.	1 peck	36 bushels	1 chaldron

LIQUID MEASURE

4 gills	1 pt.	31 1/2 gals.	1 bbl.
2 pts.	1 qt.	2 barrels	1 hogshead
4 qts.	1 gal.		

LONG MEASURE

12 in.	1 ft.	40 rods	1 furlong
3 ft.	1 yd.	8 furlongs	1 sta. mile
5 1/2 yds.	1 rod	3 miles	1 league

CLOTH MEASURE

2 1/4 in.	1 nail	4 quarters	1 yard
4 nails	1 quarter		

SQUARE MEASURE

144 sq. in.	1 sq. ft.	40 sq. rods	1 rood
9 sq. ft.	1 sq. yard	4 roods	1 acre
30 1/4 sq. yd.	1 sq. rod	640 acres	1 sq. mile