

WEIGHTS AND MEASURES

Troy Weight

Used for weighing gold, silver, and jewels

24 grains	=	1 pwt.
20 pwts.	=	1 ounce
12 ounces	=	1 pound

Apothecaries' Weight

20 grains	=	1 scruple
34 scruples	=	1 dram
8 drams	=	1 ounce

12 ounces = 1 pound
The ounce and pound in this are the same as in troy weight.

Avoirdupois Weight

27-11/32 grains	=	1 dram
16 drams	=	1 ounce
16 ounces	=	1 pound
25 pounds	=	1 quarter
4 quarters	=	1 cwt.
2,000 pounds	=	1 short ton
2,240 pounds	=	1 long ton

Dry Measure

2 pints	=	1 quart
8 quarts	=	1 peck
4 pecks	=	1 bushel
36 bushels	=	1 chaldron

Liquid Measure

4 gills	=	1 pint
2 pints	=	1 quart
4 quarts	=	1 gallon
31-1/2 gallons	=	1 barrel
2 barrels	=	1 hogshead

Time Measure

60 seconds	=	1 minute
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Surveyors' Measure

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

Cubic Measure

1,728 cubic inches	=	1 cubic foot
27 cubic feet	=	1 cubic yard
2,150.42 cubic inches	=	1 standard bushel
231 cubic inches	=	1 standard gallon
1 cubic foot	=	about 4/5 of bushel
1 cubic foot	=	7-1/2 gallons of water
128 cubic feet	=	1 cord of wood
40 cubic feet	=	1 ton (shipping)

Metric Equivalents

Linear Measure

1 centimeter	=	0.03937 inches
1 decimeter	=	3.937 inches = 0.328 foot
1 meter	=	39.37 inches = 1.0936 yards
1 dekameter	=	1.9884 rods
1 kilometer	=	0.62137 mile
1 inch	=	2.54 centimeters
1 foot	=	3.048 decimeters
1 yard	=	0.9144 meter
1 rod	=	0.5029 dekameter
1 mile	=	1.6093 kilometers

Square Measure

60 minutes	=	1 hour	1 square centimeter	=	0.1550 square inch
24 hours	=	1 day	1 square decimeter	=	0.17076 square foot
7 days	=	1 week	1 square meter	=	1.196 square yards
28, 20, or 31 days	=	1 calendar month (30 days = 1 month in computing interest)	1 square acre	=	3.954 square rods
365 days	=	1 year	1 hectare	=	2.47 acres
366 days	=	1 leap year	1 square kilometer	=	0.386 square mile
			1 square inch	=	6.452 square centimeters

Long Measure

12 inches	=	1 foot
3 feet	=	1 yard
5-1/2 yards	=	1 rod

40 rods	=	1 furlong
8 furlongs	=	1 statute mile

3 miles	=	1 league
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Cloth Measure

2-1/4 inches	=	1 nail
4 nails	=	1 quarter
4 quarters	=	1 yard

Square Measure

144 square inches	=	1 square foot
9 square feet	=	1 square yard
30-1/4 square yards	=	1 square rod
40 square rods	=	1 rood
4 roods	=	1 acre
640 acres	=	1 square mile

Paper Measure

24 sheets	=	1 quire 1 ream (480 sheets)
20 quires	=	1 bundle
2 reams	=	1 bundle
5 bundles	=	1 bale

1 square foot	=	9.2903 square decimeters
1 square yard	=	0.8361 square meter
1 square rod	=	0.2529 acre
1 acre	=	0.4047 hectare
1 square mile	=	2.59 square kilometers

Weights

1 gram	=	0.03527 ounce
1 kilogram	=	2.2046 pounds
1 metric ton	=	1.1023 English tons
1 ounce	=	28.35 grams
1 pound	=	0.4536 kilogram
1 English ton	=	0.9072 metric ton

Approximate Metric Equivalents

1 decimeter	=	4 inches
1 meter	=	1.1 yard
1 kilometer	=	5/8 of a mile
1 hectare	=	2-1/2 acres
1 stere or cubic meter	=	1/ of a cord

1 liter	=	1.06 quart liquid, .9 quart dry
1 hektoliter	=	2-1/2 bushels
1 kilogram	=	2-1/5 pound
1 metric ton	=	2,200 pounds