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U.S. Weights and Measures

Square Measure (Measures of Surface)

Sq. Ins.	Sq. Ft.	Sq. Yards	Sq. Rods	Roods	Acre
144 =	1				
1296 =	9 =	1			
39204 =	272 1/4 =	30 1/4 =	1		
1568160 =	10890 =	1210 =	40 =	1	
6272640 =	43560 =	4840 =	160 =	4 =	1

640 Acres = 1 square mile.

An Acre = a square whose side is 69.57 yards or 208.71 feet.

Liquid Or Wine Measure

The U.S. standard gallon measures 231 cubic inches, or 8.33888 pounds avoirdupois of pure water, at about 39.85 degrees F., the barometer at 30 inches.

Gills	Pints	Quarts	Gallons	Tierces	Hogs-heads	Punch-eons	Pipes	Tun	Cubic-Inches
4 =	1 =								28.875
8 =	2 =	1 =							57.750
32 =	8 =	4 =	1						231.000
1344 =	336 =	168 =	42 =	1					
2016 =	504 =	252 =	63 =	1 1/2 =	1				
2488 =	672 =	336 =	84 =	2 =	1 1/2 =	1			
4032 =	1008 =	504 =	126 =	3 =	2 =	1 1/2 =	1		
8064 =	2016 =	1008 =	252 =	6 =	4 =	3 =	2 =	1	

A cubic foot contains 7 1/2 gallons.

The British imperial gallon contains 277.27 cubic inches and = 1.2 U.S. gallons.

Long Measure (Measures of Length)

Ins.	Feet	Yards	Fathoms	Rods	Furlongs	Mile
12 =	1					
36 =	3 =	1 =				
72 =	6 =	2 =	1			
198 =	16 1/2 =	16 1/2 =	2 3/4 =	1		
7920 =	660 =	220 =	110 =	40 =	1	
63360 =	5280 =	1760 =	880 =	320 =	8 =	1

6080.26 Feet = 1.15 statute miles = 1 nautical mile or knot

Cubic Measure (Measures of Volume)

Cu. Ins.	Cu. Ft.	Cu. Yards
1728 =	1 =	
46656 =	27 =	1

A cord of wood = 128 cubic feet, being 4 feet x 4 feet x 8 feet.

42 Cubic Feet = a ton of shipping.

1 perch of masonry = 24 3/4 cubic feet, being 16 1/2 feet x 1 1/2 feet x 1 foot.

Avoirdupois Or Commercial Weight

The grain is the same in troy, apothecaries and avoirdupois weights. The standard avoirdupois pound is the weight of 27.7015 cubic inches of distilled water weighed in the air at 35.85 degrees F., barometer at 30 inches. 27.343.

Drachms	Ounces	Lbs.	Long Qrs.	Long Cwt.	Long Ton
16 =	1				
256 =	16 =	1			
7166 =	448 =	28 =	1		
28672 =	1792 =	112 =	4 =	1	
573440 =	35840 =	2240 =	80 =	20 =	1

The above table gives what is known as the long ton. The short ton weighs 2000 pounds.

Dry Measure

The standard bushel contains 2150.42 cubic inches, or 77.627013 pounds avoirdupois of pure water at maximum density. Its legal dimensions are 18 1/2 inches diameter inside, 19 1/2 inches outside, and 8 inches deep; and when heaped, the cone must be 6 inches high, making a heaped bushel equal to 11A struck ones.

Pints	Quarts	Gallons	Pecks	Bushels	Cubic Inches
2 =	1 =				67.20
8 =	4 =	1 =			268.80
16 =	8 =	2 =	1 =		537.60
64 =	32 =	8 =	4 =	1 =	2150.42

The British imperial bushel contains 2218.2 cubic inches and = 103. U.S. bushels.