

# WEIGHTS AND MEASURES

## CUBIC MEASURE

1,728 cubic inches.....	1 cubic foot
27 cubic feet.....	1 cubic yard
128 cubic feet.....	1 cord (wood)
2,150.42 cubic inches....	1 standard bu.
231 cubic inches.....	1 US standard gal.

## DRY MEASURE

2 pints.....	1 quart
8 quarts.....	1 peck
4 pecks.....	1 bushel

## LIQUID MEASURE

4 gills.....	1 pint
2 pints.....	1 quart
4 quarts.....	1 gallon
3 1/2 gallons.....	1 barrel*

## IMPERIAL LIQUID MEASURE

1 US gallon.....	0.833 Imperial gallon
1 US gallon.....	3.785 liters
1 Imperial gallon.....	1.201 US gallons
1 Imperial gallon.....	4.546 liters
1 liter.....	0.264 US gallon

## 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 land miles.....	1 league

## MARINERS' MEASURE

6 feet.....	1 fathom
120 fathoms.....	1 cable length
5,280 feet.....	1 statute mile
6,076.11 feet.....	1 nautical mile

## SQUARE MEASURE

144 sq. inches.....	1 sq. foot
9 sq. feet.....	1 sq. yard
30 1/2 sq. yards.....	1 sq. rod
640 acres.....	1 sq. mile

## TEMPERATURE CONVERSIONS

A Fahrenheit degree is smaller than a Celsius (Centigrade) degree, one Fahrenheit degree being  $\frac{5}{9}$  of a Celsius degree.

To convert Fahrenheit degrees into Celsius, subtract 32, multiply by 5, and divide by 9.

To convert Celsius into Fahrenheit, multiply by 9, divide by 5, and add 32.

The freezing point of water is 32°F, 0°C; the boiling point is 212°F, 100°C.

\*Federal law recognizes a 40-gallon barrel for proof spirits, while many state laws fix the barrel for liquids at 31.5 gallons.

## METRIC EQUIVALENTS

### Linear Measure

1 centimeter.....	0.3937 inch
1 inch.....	2.54 centimeters
1 foot.....	0.3048 meter
1 meter.....	39.37 inches..1.0936 yards
1 yard.....	0.9144 meter
1 rod.....	5.029 meters
1 kilometer.....	0.621 mile
1 mile.....	1.609 kilometers

### Square Measure

1 sq. centimeter.....	0.155 sq. inch
1 sq. inch.....	6.452 sq. centimeters
1 sq. foot.....	0.0929 sq. meter
1 sq. meter.....	1.196 sq. yards
1 sq. yard.....	0.8361 sq. meter
1 hectare.....	2.47 acres
1 acre.....	0.4047 hectare
1 sq. kilometer.....	0.386 sq. mile
1 sq. mile.....	2.59 sq. kilometers

### Weights

1 gram.....	0.03527 ounce
1 ounce.....	28.35 grams
1 kilogram.....	2.2046 pounds
1 pound.....	0.4536 kilogram
1 metric ton.....	1.102 English tons
1 English ton.....	0.907 metric ton

### Measure of Volume

1 cubic centimeter .....	0.061 cubic inch
1 cubic inch .....	16.39 cubic centimeters
1 cubic foot .....	0.0283 cubic meter
1 cubic meter .....	1.308 cubic yards
1 cubic yard.....	0.7646 cubic meter
1 liter.....	1.0567 quarts liquid
1 quart dry.....	1.101 liters
1 quart liquid.....	0.9463 liter
1 liter.....	1.0567 quarts
1 gallon.....	3.78541 liters
1 peck.....	8.81 liters
1 hectoliter.....	2.8375 bushels