

US Measurements and Metric Conversions

Linear Measure

12 inches = 1 foot
18 inches = 1 cubit
3 feet = 1 yard
6 feet = 1 fathom
5.5 yards = 1 rod
22 yards = 1 chain
1 chain = 1/80 mile
40 rods = 1 furlong
8 furlongs = 5280 feet
8 furlongs = 1 mile
5280 feet = 1 mile
1760 yards = 1 mile
6080 feet = 1 nautical mile

US Linear to Metric

1 inch = 2.54 centimeters
.3937 inches = 1 centimeter
39.37 inches = 1 meter
1 foot = .3048 meters
1 yard = .9144 meters
1 mile = 1609.3 meters
1 mile = 1.6093 kilometers
.62137 miles = 1 kilometer

Fahrenheit to Centigrade Kelvin to Centigrade

$$F = \frac{9}{5} C + 32$$

$$C = \frac{5}{9} (F - 32)$$

$$K = C + 273.15$$

Liquid Measure

3 teaspoons = 1 tablespoon
2 tablespoons = 1 fluid ounce
8 ounces = 1 cup
2 cups = 1 pint
16 ounces = 1 pint
4 cups = 1 quart
2 pints = 1 quart
4 quarts = 1 gallon
31.5 gallons = 1 barrel
42 gallons = 1 barrel
(petroleum)

US Liquid to Metric

1 fluid oz. = 29.573 milliliters
.033814 fluid oz. = 1 milliliter
1 cup = 230 milliliters
1 quart = .94635 liters
1.0567 quarts = 1 liter
1 gallon = 3.7854 liters

Dry Measure

2 pints = 1 quart
4 quarts = 1 gallon
8 quarts = 1 peck
4 pecks = 1 bushel
16 ounces = 1 pound
2000 pounds = 1 ton

US Dry to Metric

1 ounce = 28.35 grams
.0353 ounces = 1 gram
1 pound = 454 grams
2.2046 pounds = 1 kilogram
1 ton =
1.1023 tons = 1 metric ton
(tonne)

Area Measure

1 acre = 4840 square yards
1 square mile = 640 acres

US Area to Metric

1 hectare = 10,000 square meters
1 hectare = 2.471 acres