

English Conversions

Length

12 inches=1 foot
3 feet=1 yard
1760 yards=1 mile
5.5 yds=1 rod
16.5 ft = 1 rod
5280 ft=1 mile

Weight

16 oz=1 lb
2000 lb=1 ton

Volume

1728 cubic inches=1 cu ft
27 cubic feet=1 cubic yard

(Dry Measure)

1 pinch= 1/2 teaspoon
3 teaspoons=1 tablespoon
16 tablespoons=1 cup
2 cups= 1 pint
2 pints=1 quart
8 quarts=1 peck
4 pecks=1 bushel
1 bushel=2150.42 cu inches

(Liquid Measure)

1 fluid oz=1.805 cu inches
1 pint=28.875 cu inches
8 fl oz.=1 cup
16 fl. oz.=1 pint
2 pints=1 quart
4 quarts=1 gallon
231 cubic in.=1 gallon
7.48 gallons=1 cubic foot
31.5 gallons= 1 barrel

Area

144 square inches=1 sq ft
9 square feet=1 square yard
1296 sq in=1 sq yd
43,560 sq ft=1 acre
4840 sq yards=1 acre
160 sq rods=1 acre
10 sq chains=1 acre
640 acres=1 square mile

Pressure

1 atm = 14.7 psi
1 atm = 760 torr

Metric Conversions

Metric Prefixes

Giga (G)

Mega (M)

Kilo (k)
Hecto (h)
Deka (dk)
Base
Deci (d)
Centi (c)
Milli (m)

Micro (*u*)

Nano (n)

Area

1 sq meter=10,000 sq cm
1 sq meter=1,000,000 sq mm
1 sq cm=100 sq mm
1 sq km=1,000,000 sq m
1 hectare=10,000 sq m

Volume

1 cubic cm=1 milliliter (ml)
1 liter=1000 cubic cm
(Note: *cubic centimeter* is typically abbreviated as cc)

Temperature Conversions

$$K = C + 273$$

$$C = K - 273$$

$$C = 5/9 (F - 32)$$

$$F = 9/5 C + 32$$

English ← → Metric Conversions

Length

1 inch=2.54 cm
1 foot=30.5 cm
1 yard=0.914 meters
1 mile=1.61 kilometers

Weight (Mass)

1 ounce=28.3 grams
1 pound=0.454 kilograms

Area

1 sq. in.=6.45 sq. cm.
1 sq. ft.=0.0929 sq. m
1 sq. yd.=0.8361 sq. m
1 sq. mile=2.59 sq. km
1 acre=0.4047 hectares

Volume

1 teaspoon=4.91 milliliters
1 tablespoon=14.7 milliliters
1 cubic inch=16.4 milliliters
1 fluid ounce=29.6 milliliter
1 cup=0.237 liters
1 pint=0.473 liters
1 quart=0.946 liters
1 gallon=3.79 liters