

Table of Measures

APOTHECARIES'

1 scruple = 20 grains
 1 dram = 3 scruples
 1 ounce = 8 drams
 1 pound = 12 ounces

AVOIRDUPOIS

1 ounce = 16 drams
 1 pound = 16 ounces
 1 hundredweight = 100 pounds
 1 ton = 2,000 pounds
 1 long ton = 2,240 pounds

LIQUID

4 gills = 1 pint
 63 gallons = 1 hogshead
 2 hogsheads = 1 pipe or butt
 2 pipes = 1 tun

DRY

2 pints = 1 quart
 4 quarts = 1 gallon
 2 gallons = 1 peck
 4 pecks = 1 bushel

LINEAR

1 hand = 4 inches
 1 link = 7.92 inches

1 span = 9 inches
 1 foot = 12 inches
 1 yard = 3 feet
 1 rod = 5½ yards
 1 mile = 320 rods = 1,760 yards = 5,280 feet
 1 Int. nautical mile = 6,076.1155 feet
 1 knot = 1 nautical mile per hour
 1 fathom = 2 yards = 6 feet
 1 furlong = ¼ mile = 660 feet = 220 yards
 1 league = 3 miles = 24 furlongs
 1 chain = 100 links = 22 yards

SQUARE

1 square foot = 144 square inches
 1 square yard = 9 square feet
 1 square rod = 30¼ square yards = 272¼ square feet
 1 acre = 160 square rods = 43,560 square feet
 1 square mile = 640 acres = 102,400 square rods
 1 square rod = 625 square links

1 square chain = 16 square rods
 1 acre = 10 square chains

CUBIC

1 cubic foot = 1,728 cubic inches
 1 cubic yard = 27 cubic feet
 1 cord = 128 cubic feet
 1 U.S. liquid gallon = 4 quarts = 231 cubic inches
 1 imperial gallon = 1.20 U.S. gallons = 0.16 cubic foot
 1 board foot = 144 cubic inches

KITCHEN

3 teaspoons = 1 tablespoon
 16 tablespoons = 1 cup
 1 cup = 8 ounces
 2 cups = 1 pint
 2 pints = 1 quart
 4 quarts = 1 gallon

TO CONVERT CELSIUS AND FAHRENHEIT :

°C = (°F - 32) / 1.8
 °F = (°C × 1.8) + 32

Metric Conversions

LINEAR

1 inch = 2.54 centimeters
 1 centimeter = 0.39 inch
 1 meter = 39.37 inches
 1 yard = 0.914 meter
 1 mile = 1.61 kilometers
 1 kilometer = 0.62 mile

SQUARE

1 square inch = 6.45 square centimeters
 1 square yard = 0.84 square meter

1 square mile = 2.59 square kilometers
 1 square kilometer = 0.386 square mile
 1 acre = 0.40 hectare
 1 hectare = 2.47 acres

CUBIC

1 cubic yard = 0.76 cubic meter
 1 cubic meter = 1.31 cubic yards

HOUSEHOLD

½ teaspoon = 2 mL
 1 teaspoon = 5 mL
 1 tablespoon = 15 mL

¼ cup = 60 mL
 ⅓ cup = 75 mL
 ½ cup = 125 mL
 ⅔ cup = 150 mL
 ¾ cup = 175 mL
 1 cup = 250 mL
 1 liter = 1.057 U.S. liquid quarts
 1 U.S. liquid quart = 0.946 liter
 1 U.S. liquid gallon = 3.78 liters
 1 gram = 0.035 ounce
 1 ounce = 28.349 grams
 1 kilogram = 2.2 pounds
 1 pound = 0.45 kilogram