

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:

$$^{\circ}\text{C} = (^{\circ}\text{F} - 32) / 1.8$$

$$^{\circ}\text{F} = (^{\circ}\text{C} \times 1.8) + 32$$

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