

Symbols and Tables

U.S. CUSTOMARY MEASUREMENT

3 teaspoons (tsp) = 1 tablespoon (Tbsp)
 2 pints (pt) = 1 quart (qt)
 8 pints = 1 gallon (gal)
 4 quarts = 1 gallon
 12 inches (in) = 1 foot (ft)
 3 feet = 1 yard (yd)
 5,280 feet = 1 mile (mi)
 16 ounces (oz) = 1 pound (lb)
 2,000 pounds = 1 ton

METRIC MEASUREMENT

1,000 millimeters (mm) = 1 meter (m)
 100 centimeters (cm) = 1 meter
 10 decimeters (dm) = 1 meter
 10 meters = 1 dekameter (dam)
 100 meters = 1 hectometer (hm)
 1,000 meters = 1 kilometer (km)

Replace meter with liter or gram for liquid and mass equivalents.

METRIC - U.S. EQUIVALENTS

1 meter (≈ 39.37 in) ≈ 1.09 yd (36 in)
 1 centimeter ≈ 0.4 inch
 1 liter ≈ 1.06 quarts
 1 kilogram ≈ 2.2 pounds
 1 kilometer ≈ 0.6 mile
 1 inch ≈ 2.5 cm or 1 inch = 2.54 cm
 1 ounce ≈ 28 grams

SYMBOLS

= equals
 $\sim$ similar
 $\cong$ congruent
 $\approx$ approximately equal to
 $<$ less than
 $>$ greater than
 % percent
 π pi (approximately $22/7$ or 3.14)
 r^2 r squared, or $r \cdot r$
 ' foot
 " inch
 ∞ infinity
 · point
 $\leftrightarrow$ line
 $\rightarrow$ ray
 $\angle$ angle
 $\square$ plane
 $\perp$ right angle
 $| \quad |$ absolute value
 $0.\overline{3}$ repeating decimal

PERIMETER

rectangle, square, triangle, parallelogram -
 add the lengths of all the sides

CIRCUMFERENCE

circle $C = 2\pi r$

AREA

rectangle, square, parallelogram

$$A = bh \text{ (base times height)}$$

triangle

$$A = \frac{bh}{2} \text{ or } \frac{1}{2}bh$$

circle

$$A = \pi r^2$$

VOLUME

rectangular solid, cube

$$V = Bh \text{ (area of base times height)}$$