

MEASURES (ENGLISH, METRIC, AND EQUIVALENTS)

<p style="text-align: center;">UNITS OF LENGTH IN THE U.S. SYSTEM</p> <p>1 foot (ft) = 12 inches (in) 1 yard (yd) = 3 feet (ft) 1 yard (yd) = 36 inches (in) 1 mile (mi) = 5,280 feet (ft)</p>	<p style="text-align: center;">UNITS OF LENGTH IN THE METRIC SYSTEM</p> <p>1,000 millimeters (mm) = 1 meter 100 centimeters (cm) = 1 meter 10 decimeters (dm) = 1 meter 1 dekameter (dam) = 10 meters 1 hectometer (hm) = 100 meters 1 kilometer (km) = 1000 meters</p>	<p style="text-align: center;">SYSTEM TO SYSTEM CONVERSIONS FOR LENGTH</p> <p>1 inch = 2.54 centimeters 1 meter \approx 3.28 feet 1 mile \approx 1.61 km 1 foot \approx 0.30 meters (m) 1 yard \approx 0.91 meters 1 km \approx 0.62 mi</p>
<p style="text-align: center;">UNITS OF WEIGHT IN THE U.S. SYSTEM</p> <p>1 pound (lb) = 16 ounces (oz) 1 ton (T) = 2,000 pounds (lb)</p>	<p style="text-align: center;">UNITS OF WEIGHT IN THE METRIC SYSTEM</p> <p>1 gram \approx the weight of a paper clip 1 gram \approx the weight of a raisin 1 gram = 1,000 milligrams (mg) 1 gram = 100 centigrams (cg) 1 kilogram (kg) = 1,000 grams 1 metric ton (t) = 1,000 kilograms</p>	<p style="text-align: center;">SYSTEM TO SYSTEM CONVERSIONS FOR WEIGHT</p> <p>1 ounce \approx 28.3 grams 1 pound \approx 0.45 kg</p>
<p style="text-align: center;">UNITS OF AREA IN THE U.S. SYSTEM</p> <p>1 square foot (ft²) = 144 square inches (in²) 1 square yard (yd²) = 9 square feet (ft²) 1 acre = 43,560 square feet (ft²) 1 square mile (mi²) = 640 acres</p>	<p style="text-align: center;">UNITS OF AREA IN THE METRIC SYSTEM</p> <p>1 cm² = 100 mm² 1 dm² = 100 cm² 1 m² = 100 dm² 1 are (a) = 100 m² 1 hectare (ha) = 100 a</p>	<p style="text-align: center;">SYSTEM TO SYSTEM CONVERSIONS FOR AREA</p> <p>1 in² \approx 6.45 cm² 1 m² \approx 1.196 yd² 1 ha \approx 2.47 acres</p>
<p style="text-align: center;">UNITS OF VOLUME IN THE U.S. SYSTEM</p> <p>1 cubic foot (ft³) = 1,728 cubic inches (in³) 1 cubic yard (yd³) = 27 cubic feet (ft³) 1 cord = 128 cubic feet (ft³)</p>	<p style="text-align: center;">UNITS OF VOLUME IN THE METRIC SYSTEM</p> <p>1 cc = 1 cm³ 1 milliliter (mL) = 1 cm³ 1 liter (L) = 1,000 milliliters (mL) 1 hectoliter (hL) = 100 liters (L) 1 kiloliter (kL) = 1,000 liters (L)</p>	<p style="text-align: center;">SYSTEM TO SYSTEM CONVERSIONS FOR VOLUME</p> <p>1 in³ \approx 16.39 mL 1 liter \approx 1.06 qt 1 gallon \approx 3.79 liters 1 m³ \approx 35.31 ft³ 1 quart \approx 0.95 L</p>
<p style="text-align: center;">UNITS OF FLUID VOLUME IN THE U.S. SYSTEM</p> <p>1 tablespoon = 3 teaspoons 1 fl oz = 2 tablespoons 1 cup (c) = 8 fluid ounces (fl oz) 1 pint (pt) = 2 cups (c) 1 quart (qt) = 2 pints (pt) 1 gallon (gal) = 4 quarts (qt) 1 gallon (gal) = 128 fluid ounces (fl oz)</p>	<p style="text-align: center;">UNITS OF TIME IN BOTH SYSTEMS</p> <p>1 millisecond = 1,000 microseconds 1 second = 1,000 milliseconds 1 minute = 60 seconds 1 hour = 60 minutes 1 day \approx 24 hours 1 month \approx 30 days 1 year \approx 365 days 1 banking year = 360 days</p>	<p style="text-align: center;">SYSTEM TO SYSTEM CONVERSIONS FOR TEMPERATURE</p> <p>$^{\circ}\text{F} \rightarrow ^{\circ}\text{C} \quad C = \frac{5}{9}(F - 32)$</p> <p>$^{\circ}\text{C} \rightarrow ^{\circ}\text{F} \quad F = \frac{9}{5}C + 32$</p>

METRIC PREFIXES

giga- (G-)	mega- (M-)	kilo- (k-)	hecto- (h-)	deka- (da-, D-)	gram (g) meter (m) liter (L)	deci- (d-)	cent- (c-)	milli- (m-)	micro- (μ -)	nano- (n-)
10^9	10^6	10^3	10^2	10^1	1	10^{-1}	10^{-2}	10^{-3}	10^{-6}	10^{-9}