

# Conversion Factors

## Weights

- 1 U.S. ton = 2,000 pounds
- 1 U.S. ton = 0.97 metric ton
- 1 pound = 16 ounces
- 1 pound = 453.4 grams = 0.4534 kilogram
- 1 ounce = 20.35 grams

## Length

- 1 mile = 5,280 feet
- 1 mile = 1.61 kilometers
- 1 yard = 3 feet
- 1 yard = 36 inches
- 1 yard = 91.44 centimeters = 0.9144 meters
- 1 foot = 12 inches
- 1 foot = 30.48 centimeters
- 1 foot = 0.3048 meters

## Speed

- 1 miles/hour = 5,280 feet/hour
- 1 mile/hour = 88 feet/minute
- 1 mile/hour = 1.467 feet/second
- 1 meter/second = 196.85 feet/minute
- 1 meter/second = 2.24 miles/hour
- 1 meter/second = 1.942 knots

## Temperature

- Celsius =  $\frac{5}{9}(F-32)$
- Fahrenheit =  $(\frac{9}{5}^{\circ}C) + 32$
- Kelvin = Celsius + 273.16

## Area

- 1 square mile = 640 acres
- 1 acre = 43,560 square feet
- 1 acre = 0.405 hectare
- 1 hectare = 2.471 acres
- 1 hectare = 10,000 square meters
- 1 square yard = 9 square feet = 0.836 square meters
- 1 square foot = 144 square inches = 0.09 square meters
- 1 square centimeter = 0.155 square inch
- Number of acres =  $\frac{[(\text{Length in feet}) \times (\text{Width in feet})]}{43,560}$
- 1 acre = 13,068 feet of 40-inch rows
- 1 acre = 13,754 feet of 38-inch rows
- 1 acre = 14,520 feet of 36-inch rows
- 1 acre = 17,424 feet of 30-inch rows

## Liquid Measure

- 1 tablespoon = 3 teaspoons = 0.5 fluid ounces
- 1 fluid ounce = 2 tablespoons
- 1 cup =  $\frac{1}{2}$  pint = 8 fluid ounces = 16 tablespoons
- 1 pint = 2 cups = 32 tablespoons
- 1 gallon = 4 quarts = 8 pints = 16 cups = 8.4 pounds of water
- 1 gallon = 128 fluid ounces = 3.785 liters = 3,785 milliliters
- 1 quart = 2 pints = 4 cups = 32 fluid ounces
- 1 pint = 2 cups = 16 fluid ounces
- 1 cup = 8 fluid ounces = 0.24 liters = 240 milliliters
- 1 tablespoon = 0.166 ounces = 4.92 milliliters
- 1 milliliter = 0.0338 fluid ounces