### Conversion Factors

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

#### Temperature
- Celsius = \( \frac{5}{9}(F-32) \)
- Fahrenheit = \( \frac{9}{5}C + 32 \)
- Kelvin = Celsius + 273.16

#### Speed
- 1 mile/hour = 5,280 feet/hour = 88 feet/minute = 1.467 feet/second
- 1 meter/second = 1.9685 feet/minute = 2.24 miles/hour
- 1 meter/second = 1.942 knots

#### Length
- 1 mile = 5,280 feet = 1.61 kilometers
- 1 yard = 3 feet = 36 inches = 0.9144 meters
- 1 yard = 3 feet = 36 inches = 91.44 centimeters = 0.9144 meters
- 1 meter = 1.9685 feet = 39.37 inches
- 1 meter = 39.37 inches
- 1 centimeter = 0.3937 inches
- 1 foot = 12 inches = 30.48 centimeters = 0.3048 meters

#### 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 = \( \frac{(\text{Length in feet}) \times (\text{Width in feet})}{43,560} \)

#### Liquid Measure
- 1 tablespoon = 3 teaspoons = 0.5 fluid ounces
- 1 fluid ounce = 2 tablespoons
- 1 cup = ½ pint = 8 fluid ounces = 16 tablespoons
- 1 pint = 2 cups = 32 fluid ounces
- 1 quart = 2 pints = 4 cups = 32 fluid ounces = 0.946 liters = 946 milliliters
- 1 gallon = 4 quarts = 8 pints = 16 cups = 231 cubic inches
- 1 gallon = 128 fluid ounces=3.785 liters = 3,785 milliliters = 3,785 cubic centimeters
- 1 cup = 8 fluid ounces = 0.24 liters = 240 milliliters
- 1 tablespoon = 0.166 ounces = 4.92 milliliters
- 1 milliliter = 0.0338 fluid ounces