

Measurement

Distance

1 foot = 12 inches
1 yard = 3 feet
1 mile = 5,280 feet
1 mile = 1.61 kilometers
1 inch = 2.540 centimeters
1 foot = 0.3048 meters
1 meter = 100 centimeters
1 meter = 1,000 millimeters
1 kilometer = 1,000 meters
1 kilometer = 0.62 miles

Area

1 square foot = 144 square inches
1 square yard = 9 square feet
1 acre = a square 208.71 feet on a side
1 acre = 43,560 square feet

Volume

1 cup = 8 fluid ounces
1 quart = 4 cups
1 gallon = 231 cubic inches
1 liter = 0.264 gallons
1 cubic foot = 1,728 cubic inches
1 cubic foot = 7.48 gallons
1 cubic yard = 27 cubic feet
1 board foot = 1 inch by 12 inches by 12 inches

Weight

1 ounce = 28.350 grams
1 pound = 16 ounces
1 pound = 453.593 grams
1 milligram = 0.001 grams
1 kilogram = 1,000 grams
1 kilogram = 2.2 pounds
1 ton = 2,000 pounds

Temperature

$^{\circ}\text{C} = .56(^{\circ}\text{F} - 32)$ or $5/9(^{\circ}\text{F} - 32)$

$^{\circ}\text{F} = 1.8(^{\circ}\text{C}) + 32$ or $(9/5 \times ^{\circ}\text{C}) + 32$

Electricity

1 kilowatt-hour = 1,000 watt-hours