

# Weights and Measures

## Length

1 inch	= 2.54 centimeters	= 25.4 millimeters	
1 foot	= 12 inches	= 30.48 centimeters	
1 yard	= 3 feet	= 36 inches	= 0.9144 meters
1 meter	= 39.37 inches	= 3.28 feet	= 1.094 yards
1 kilometer	= 1,000 meters	= 0.6214 miles	
1 mile	= 5,280 feet	= 1,760 yards	= 320 rods
1 rod	= 16.5 feet	= 5.5 yards	

## Area

1 square inch	= 6.45 square centimeters		
1 square foot	= 144 square inches		
1 square yard	= 9 square feet	= 1,296 square inches	
1 square rod	= 30.25 square yards	= 272.25 square feet	
1 acre	= 160 square rods	= 4,840 square yards	= 43,560 square ft
1 hectare	= 2.47 acres	= 10,000 square meters	
1 square mile	= 1 section	= 640 acres	
1 township	= 36 sections	= 23,040 acres	

## Liquid Volume

1 teaspoon	= 4.93 milliliters		
3 teaspoons	= 1 tablespoon	= 14.79 milliliters	
2 tablespoons	= 1 fluid ounce		
16 tablespoons	= 1 cup	= 8 ounces	= 236.58 milliliters
1 pint	= 2 cups	= 16 ounces	= 473.167 milliliters
1 quart	= 2 pints	= 0.9463 liters	
1 gallon	= 4 quarts	= 8 pints	= 3.785 liters
1 liter	= 1,000 milliliters	= 2.113 pints	= 1.057 quarts

## Dry Measure

1 bushel	= 4 pecks	= 32 dry quarts	= 35.24 liters
1 bushel	= 1.244 cubic feet	= 2,150.4 cubic inches	

## Weight

1 ounce	= 437.5 grains	= 28.35 grams	
1 pound	= 16 ounces	= 7,000 grains	= 453.6 grams
1 short ton	= 2,000 pounds		
1 long ton	= 2,240 pounds		
1 metric ton	= 2,204.6 pounds	= 1,000 kilograms	
1 gram	= 1,000 milligrams	= 15.43 grains	
1 kilogram	= 1,000 grams	= 2.205 pounds	

## Water

1 milliliter	= 1 cubic centimeter	= 1 gram	
1 gallon	= 8.35 pounds	= 231 cubic inches	= 0.1337 cubic feet
1 cubic foot	= 7.48 gallons	= 62.4 pounds	= 1,738 cubic inches