

Measurement Vocabulary and Terms

Metric System: Units of Measurement

Length

Common Units	Symbol
kilo meter	km
meter	m
centimeter	cm
millimeter	mm

Area

square kilo meter	km ²
square meter	
square centimeter	cm ²
square millimeter	mm ²

Volume

cubic meter	
cubic decimeter	dm ³
cubic centimeter	cm ³
liter	l

Weight

kilogram	kg
gram	g
degree Celsius	

Temperature

Freezing point of water	=	0° Celsius
Boiling point of water	=	100° Celsius

Conversion Relationships

Length

1 meter	≈	3.28 feet
1 centimeter	≈	.3937 inch
30.48 centimeters	≈	1 foot

Area

1 square meter	≈	10.76 square feet
929.03 cm ²	≈	1 square foot

Volume

1 liter	≈	1.057 quarts	≈	61.025 cubic inches
1 quart	≈	.946 liter	≈	57.75 cubic inches

Weight

1 gram	≈	.035 ounce
1 kilogram	≈	2.2 pounds
1 pound	≈	453.6 grams
1 ounce	≈	28.35 grams

Temperature Conversion

F to C	≈	5/9(F°-32)
C to F	≈	9/5C°+32

U.S. Customary System: Units of Measurement

Length

12 inches	=	1 foot
3 feet	=	1 yard
5 yards	=	1 rod
40 rods	=	1 furlong
8 furlongs	=	1 mile

Area

144 square inches	=	1 square foot
9 square feet	=	1 square yard
4840 square yards	=	1 acre
640 acres	=	1 square mile

Volume

3 teaspoons	=	1 tablespoon
16 tablespoons	=	1 cup
2 cups	=	1 pint
2 pints	=	1 quart
4 quarts	=	1 gallon
2 gallons	=	1 peck
4 pecks	=	1 bushel

Weight

437.5 grains	=	1 ounce
16 ounces	=	1 pound
100 pounds	=	1 hundredweight
20 hundredweights	=	1 ton

Temperature

Freezing point of water	=	32 degrees Fahrenheit
Boiling point of water	=	212 degrees Fahrenheit