

SI UNITS AND CONVERSION TABLES

Common SI Units

Measurement	Unit	Symbol	Equivalents
Length	1 millimeter	mm	1000 micrometers (μm)
	1 centimeter	cm	10 millimeters (mm)
	1 meter	m	100 centimeters (cm)
	1 kilometer	km	1000 meters (m)
Area	1 square meter	m^2	10 000 square centimeters (cm^2)
	1 square kilometer	km^2	1 000 000 square meters m^2
Volume	1 milliliter	mL	1 cubic centimeter (cm^3 or cc)
	1 liter	L	1000 milliliters (mL)
Mass	1 gram	g	1000 milligrams (mg)
	1 kilogram	kg	1000 grams (g)
	1 ton	t	1000 kilograms (kg) = 1 metric ton
Time	1 second	s	
Temperature	1 Kelvin	K	1 degree Celsius ($^{\circ}\text{C}$)

Metric Conversion Tables

When You Know	Multiply by	To Find		
		When You Know	Multiply by	To Find
inches	2.54	centimeters	0.394	inches
feet	0.3048	meters	3.281	feet
yards	0.914	meters	1.0936	yards
miles	1.609	kilometers	0.62	miles
square inches	6.45	square centimeters	0.155	square inches
square feet	0.093	square meters	10.76	square feet
square yards	0.836	square meters	1.196	square yards
acres	0.405	hectares	2.471	acres
square miles	2.59	square kilometers	0.386	square miles
cubic inches	16.387	cubic centimeters	0.061	cubic inches
cubic feet	0.028	cubic meters	35.315	cubic feet
cubic yards	0.765	cubic meters	1.31	cubic yards
fluid ounces	29.57	milliliters	0.0338	fluid ounces
quarts	0.946	liters	1.057	quarts
gallons	3.785	liters	0.264	gallons
ounces	28.35	grams	0.0353	ounces
pounds	0.4536	kilograms	2.2046	pounds
tons	0.907	metric tons	1.102	tons

When You Know		
Fahrenheit	subtract 32; then <i>divide</i> by 1.8	to find Celsius
Celsius	multiply by 1.8; then <i>add</i> 32	to find Fahrenheit