

WEIGHTS AND MEASURES—METRIC TO U.S.

METRIC SYSTEM				U.S. EQUIVALENT		
LENGTH						
	<u>Unit</u>	<u>Abbreviation</u>	<u>Number of Meters</u>			
Kilometer		km	1,000			0.62 mile
Hectometer		hm	100			109.36 yard
Decameter		dkm	10			32.81 feet
Meter		m	1			39.37 inch
Decimeter		dm	0.1			3.94 inch
Centimeter		cm	0.01			0.39 inch
Millimeter		mm	0.001			0.04 inch
AREA						
	<u>Unit</u>	<u>Abbreviation</u>	<u>Number of Square Meters</u>			
Square Kilometer		sq km or km ²	1,000,000			0.3861 square mile
Hectare		ha	10,000			2.47 acres
Are		a	100			119.60 square yards
Centare		ca	1			10.76 square feet
Square Centimeter		sq cm or cm ²	0.0001			0.155 square inch
VOLUME						
	<u>Unit</u>	<u>Abbreviation</u>	<u>Number of Cubic Meters</u>			
Stere		s	1			1.31 cubic yards
Decistere		ds	0.10			3.53 cubic feet
Cubic Centimeter		cu cm or cm ³ also cc	0.000001			0.061 cubic inch
CAPACITY						
	<u>Unit</u>	<u>Abbreviation</u>	<u>Number of Liters</u>	<u>Cubic</u>	<u>Dry</u>	<u>Liquid</u>
Kiloliter		kl	1,000	1.31 cubic yards		
Hectoliter		hl	100	3.53 cubic feet	2.84 bushels	
Decaliter		dkl	10	0.35 cubic foot	1.14 pecks	2.64 gallons
Liter		l	1	61.02 cubic inches	0.908 quart	1.057 quarts
Deciliter		dl	0.10	6.1 cubic inches	0.18 pint	0.21 pint
Centiliter		cl	0.01	0.6 cubic inch		0.338 fluidounce
Milliliter		ml	0.001	0.06 cubic inch		0.27 fluidram
MASS & WEIGHT						
	<u>Unit</u>	<u>Abbreviation</u>	<u>Number of Grams</u>			
Metric Ton		MT or t	1,000,000			1.1 tons
Quintal		q	100,000			220.46 pounds
Kilogram		kg	1,000			2.2046 pounds
Hectogram		hg	100			3.527 ounces
Decagram		dkg	10			0.353 ounce
Gram		g or gm	1			0.035 ounce
Decigram		dg	0.10			1.543 grains
Centigram		cg	0.01			0.154 grain
Milligram		mg	0.001			0.015 grain

Metric System (continued)		U.S. Equivalent (continued)
POWER		
	<u>Unit</u>	<u>Abbreviation</u>
Kilowatt		kW
		1.34 horsepower
HEAT		
	<u>Unit</u>	<u>Abbreviation</u>
Watt		w
		3.41 BTU
PRESSURE OR VACUUM		
	<u>Unit</u>	<u>Abbreviation</u>
Kilopascal		kPa
		0.145 pounds per sq. inch
TORQUE		
	<u>Unit</u>	<u>Abbreviation</u>
Newton-meter		N·m
		142.86 ounce inch 8.85 pound inch 0.74 pound foot
TEMPERATURE		
	<u>Unit</u>	<u>Abbreviation</u>
Degrees Celsius		°C
		(°C x 1.8) + 32 + °F