

## Appendix IV

# Weights and Measures

[For assistance on metric usage, call or write:

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Symbol	When you know conventional	Multiply by	To find metric	Sym- bol
in	inches	2.54	centimeters	cm
ft	feet	30.48	centimeters	cm
yd	yards	0.91	meters	m
mi	miles	1.61	kilometers	km
in <sup>2</sup>	square inches	6.45	square centimeters	cm <sup>2</sup>
ft <sup>2</sup>	square feet	0.09	square meters	m <sup>2</sup>
yd <sup>2</sup>	square yards	0.84	square meters	m <sup>2</sup>
mi <sup>2</sup>	square miles	2.59	square kilometers	km <sup>2</sup>
	acre	0.41	hectare	ha
oz	ounces <sup>1</sup>	28.35	grams	g
lb	pounds <sup>1</sup>	.45	kilograms	kg
oz (troy)	ounces <sup>2</sup>	31.10	grams	g
	short tons (2,000 lb)	0.91	metric tons	t
	long tons (2,240 lb)	1.02	metric tons	t
fl oz	fluid ounces	29.57	milliliters	mL
c	cups	0.24	liters	L
pt	pints	0.47	liters	L
qt	quarts	0.95	liters	L
gal	gallons	3.78	liters	L
ft <sup>3</sup>	cubic feet	0.03	cubic meters	m <sup>3</sup>
yd <sup>3</sup>	cubic yards	0.76	cubic meters	m <sup>3</sup>
F	degrees Fahrenheit (subtract 32)	0.55	degrees Celsius	C

  

Symbol	When you know metric	Multiply by	To find conventional	Sym- bol
cm	centimeters	0.39	inches	in
cm	centimeters	0.03	feet	ft
m	meters	1.09	yards	yd
km	kilometers	0.62	miles	mi
cm <sup>2</sup>	square centimeters	0.15	square inches	in <sup>2</sup>
m <sup>2</sup>	square meters	10.76	square feet	ft <sup>2</sup>
m <sup>2</sup>	square meters	1.20	square yards	yd <sup>2</sup>
km <sup>2</sup>	square kilometers	0.39	square miles	mi <sup>2</sup>
ha	hectares	2.47	acre	
g	grams	.035	ounces <sup>1</sup>	oz
kg	kilograms	2.21	pounds <sup>2</sup>	lb <sup>1</sup>
g	grams	.032	ounces <sup>2</sup>	oz (troy)
t	metric tons	1.10	short tons (2,000 lb)	
t	metric tons	0.98	long tons (2,240 lb)	
mL	milliliters	0.03	fluid ounces	fl oz
L	liter	4.24	cups	c
L	liters	2.13	pints (liquid)	pt
L	liters	1.05	quarts (liquid)	qt
L	liters	0.26	gallons	gal
m <sup>3</sup>	cubic meters	35.32	cubic feet	ft <sup>3</sup>
m <sup>3</sup>	cubic meters	1.32	cubic yards	yd <sup>3</sup>
C	degrees Celsius (after multiplying, add 32)	1.80	degrees Fahrenheit	F

<sup>1</sup> For weighing ordinary commodities.    <sup>2</sup> For weighing precious metals, jewels, etc.