

Appendix IV

Weights and Measures

For assistance on metric usage, call or write:

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 Weights and Measures Division
 100 Bureau Drive – Mail Stop 2600
 Gaithersburg, MD 20899-2600
 Telephone: 301-975-3690 or 4004 FAX: 301-975-8091
 E-mail: TheSI@nist.gov
 Internet site: <<http://www.nist.gov/metric>>

[Conversions provided in table are approximate]

| Symbol | When you know conventional | Multiply by | To find metric | Symbol |
|-----------------|-------------------------------------|-------------|--------------------|-----------------|
| 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 ² | square inches | 6.45 | square centimeters | cm ² |
| ft ² | square feet | 0.09 | square meters | m ² |
| yd ² | square yards | 0.84 | square meters | m ² |
| mi ² | square miles | 2.59 | square kilometers | km ² |
| | acre | 0.41 | hectare | ha |
| oz | ounces ¹ | 28.35 | grams | g |
| lb | pounds ¹ | 0.45 | kilograms | kg |
| oz (troy) | ounces ² | 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 ³ | cubic feet | 0.03 | cubic meters | m ³ |
| yd ³ | cubic yards | 0.76 | cubic meters | m ³ |
| °F | degrees Fahrenheit (subtract 32) | 0.55 | degrees Celsius | °C |

| Symbol | When you know metric | Multiply by | To find conventional | Symbol |
|-----------------|--|-------------|-----------------------|-----------------|
| 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 ² | square centimeters | 0.15 | square inches | in ² |
| m ² | square meters | 10.76 | square feet | ft ² |
| m ² | square meters | 1.20 | square yards | yd ² |
| km ² | square kilometers | 0.39 | square miles | mi ² |
| ha | hectares | 2.47 | acre | |
| g | grams | 0.04 | ounces ¹ | oz |
| kg | kilograms | 2.21 | pounds | lb |
| g | grams | 0.04 | ounces ² | 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 | 4.23 | cups | c |
| L | liters | 2.13 | pints (liquid) | pt |
| L | liters | 1.05 | quarts (liquid) | qt |
| L | liters | 0.26 | gallons | gal |
| m ³ | cubic meters | 35.32 | cubic feet | ft ³ |
| m ³ | cubic meters | 1.32 | cubic yards | yd ³ |
| °C | degrees Celsius (after multiplying, add 32) | 1.80 | degrees Fahrenheit | °F |

¹ For weighing ordinary commodities. ² For weighing precious metals, jewels, etc.