

Appendix C

Conversion Tables

Temperature Conversions

- A Fahrenheit degree is smaller than a Celsius (centigrade) degree.
- One Fahrenheit degree is $\frac{5}{9}$ ths of a Celsius degree.
- To convert Fahrenheit to Celsius: $^{\circ}\text{F} - 32 \times \frac{5}{9}$
- To convert Celsius to Fahrenheit: $^{\circ}\text{C} \times \frac{9}{5} + 32$
- The freezing point of water is 32°F or 0°C .
- The boiling point of water is 212°F or 100°C .

Metric Equivalents

Linear Measurements - To Convert, Multiply By:

Centimeters to Inches	0.3937
Inches to Centimeters	2.540
Meters to Feet	3.281
Feet to Meters	0.3048
Meters to Yards	1.094
Yards to Meters	0.9144

Kilometers to Miles	0.6214
Miles to Kilometers	1.609
Meters to Fathoms	3.2808
Fathoms to Meters	1.8288

Square Measurements - To Convert, Multiply By:

1 square centimeter to 1 square inch	0.1550
1 square inch to 1 square centimeter	6.452
1 square meter to 1 square foot	10.76
1 square foot to 1 square meter	0.0929
1 square meter to 1 square yard	1.196
1 square yard to 1 square meter	0.835
1 square kilometer to 1 square mile	0.3861
1 square mile to 1 square kilometer	2.590

Measures of Volume - To Convert, Multiply By:

Grams to Ounces	0.03527
Ounce to Grams	28.35
Grams to Pounds	0.002205
Pounds to Grams	453.6
Kilograms to Pounds	2.205
Pounds to Kilograms	0.4536
Kilograms to Tons	0.0009852
Tons to Kilograms	1016.0
Pints to Liters	0.5682
Liters to Gallons	0.22
Gallons to Liters	4.546

Distances

1 Knot = 1 Nautical Mile per hour

1 Nautical Mile = 1853.2 Meters = 1.15 Statute Miles

1 Statute Mile = 1609.3 Meters = 0.868 Nautical Miles

1 Kilometer (1000 meters) = 0.621 Statute mile =
0.54 Nautical Mile

Liquid Volumes

1 U.S. Gallon = 0.83 Imperial Gallon = 3.785 Liters

1 Imperial Gallon = 1.2 U.S. Gallon = 4.545 Liters

1 Liter = 0.246 U.S. Gallon = 0.219 Imperial Gallon