

# Metric Conversion Chart and Table

## Length

|                   |   |                       |
|-------------------|---|-----------------------|
| 1 centimeter (cm) | = | 10 millimeters (mm)   |
| 1 inch            | = | 2.54 centimeters (cm) |
| 1 foot            | = | 0.305 meters (m)      |
| 1 foot            | = | 12 inches             |
| 1 yard            | = | 3 feet                |
| 1 meter (m)       | = | 100 centimeters (cm)  |
| 1 meter (m)       | ≈ | 3.281 feet            |
| 1 furlong         | = | 660 feet              |
| 1 kilometer (km)  | = | 1000 meters (m)       |
| 1 kilometer (km)  | ≈ | 0.62137119 miles      |
| 1 mile            | = | 5280 ft               |
| 1 mile            | = | 1.61 kilometers (km)  |
| 1 nautical mile   | = | 1.85 kilometers (km)  |

## Area

|                    |   |                           |
|--------------------|---|---------------------------|
| 1 square foot      | = | 144 square inches         |
| 1 square foot      | = | 929.03 square centimeters |
| 1 square yard      | = | 9 square feet             |
| 1 square meter     | ≈ | 10.76104 square feet      |
| 1 acre             | = | 43,560 square feet        |
| 1 hectare          | = | 10,000 square meters      |
| 1 hectare          | ≈ | 2.47 acres                |
| 1 square kilometer | = | 100 hectares              |
| 1 square mile      | ≈ | 2.59 square kilometers    |
| 1 square mile      | = | 640 acres                 |

## Speed

|                       |   |                             |
|-----------------------|---|-----------------------------|
| 1 mile per hour (mph) | ≈ | 1.467 feet per second (fps) |
| 1 mile per hour (mph) | = | 1.61 kilometers per hour    |
| 1 knot                | ≈ | 1.15 miles per hour         |
| 1 foot per second     | ≈ | 0.68 miles per hour (mph)   |
| 1 kilometer per hour  | ≈ | 0.62 miles per hour (mph)   |

## Volume

|                  |   |                        |
|------------------|---|------------------------|
| 1 US tablespoon  | = | 3 US teaspoons         |
| 1 US fluid ounce | ≈ | 29.57 milliliters (ml) |
| 1 US cup         | = | 16 US tablespoons      |
| 1 US cup         | = | 8 US fluid ounces      |
| 1 US pint        | = | 2 US cups              |
| 1 US pint        | = | 16 US fluid ounces     |
| 1 liter (l)      | ≈ | 33.81 US fluid ounces  |
| 1 liter (l)      | = | 1000 milliliters (ml)  |
| 1 US quart       | = | 2 US pints             |
| 1 US gallon      | = | 4 US quarts            |
| 1 US gallon      | = | 3.785 liters           |

## Weight

|                  |   |                      |
|------------------|---|----------------------|
| 1 milligram (mg) | = | 0.001 grams (g)      |
| 1 gram (g)       | = | 0.001 kilograms (kg) |
| 1 gram (g)       | ≈ | 0.035 ounces         |
| 1 ounce          | = | 28.3 grams (g)       |
| 1 ounce          | = | 0.0625 pounds        |
| 1 pound (lb)     | = | 16 ounces            |
| 1 pound (lb)     | = | 0.45 kilograms (kg)  |
| 1 kilogram (kg)  | = | 1000 grams           |
| 1 kilogram (kg)  | ≈ | 35.27 ounces         |
| 1 kilogram (kg)  | ≈ | 2.2 pounds (lb)      |
| 1 stone          | = | 14 pounds            |
| 1 short ton      | = | 2000 pounds          |
| 1 metric ton     | = | 1000 kilograms (kg)  |

## Temperature

