

# Conversion Tables

| <b>Customary Units of Linear Measure</b> |
|--|
| 1 foot = 12 inches                       |
| 1 yard = 3 feet                          |
| 1 yard = 36 inches                       |
| 1 rod = 16.5 feet                        |
| 1 rod = 5.5 yards                        |
| 1 furlong = 220 yards                    |
| 1 mile = 5,280 feet                      |
| 1 mile = 1,760 yards                     |
| 1 mile = 320 rods                        |
| 1 mile = 8 furlongs                      |

| <b>Customary Units of Area Measure</b> |
|--|
| 1 square foot = 144 square inches      |
| 1 square yard = 9 square feet          |
| 1 square rod = 30.25 square yards      |
| 1 acre = 160 square rods               |
| 1 acre = 43,560 square feet            |
| 1 square mile = 640 acres              |

| <b>Customary Units of Volume Measure</b> |
|--|
| 1 cubic foot = 1,728 cubic inches        |
| 1 cubic yard = 27 cubic feet             |

| <b>Customary Units of Capacity Measure</b> |
|--|
| 16 ounces = 1 pint                         |
| 2 pints = 1 quart                          |
| 4 quarts = 1 gallon                        |
| 8 pints = 1 gallon                         |

| <b>Metric Units of Linear Measure</b> |
|---------------------------------------|
| 1 millimeter = 0.001 meter            |
| 1 centimeter = 0.01 meter             |
| 1 decimeter = 0.1 meter               |
| 1 dekameter = 10 meters               |
| 1 hectometer = 100 meters             |
| 1 kilometer = 1,000 meters            |
| 1,000 millimeters = 1 meter           |
| 100 centimeters = 1 meter             |
| 10 decimeters = 1 meter               |
| 0.1 dekameter = 1 meter               |
| 0.01 hectometer = 1 meter             |
| 0.001 kilometer = 1 meter             |
| 1 centimeter = 10 millimeters         |

| <b>Metric Units of Area Measure</b>           |
|---|
| 1 square millimeter = 0.000001 square meter   |
| 1 square centimeter = 0.0001 square meter     |
| 1 square decimeter = 0.01 square meter        |
| 1 square dekameter = 100 square meters        |
| 1 square hectometer = 10,000 square meters    |
| 1 square kilometer = 1,000,000 square meters  |
| 1,000,000 square millimeters = 1 square meter |
| 10,000 square centimeters = 1 square meter    |
| 100 square decimeters = 1 square meter        |
| 0.01 square dekameter = 1 square meter        |
| 0.0001 square hectometer = 1 square meter     |
| 0.000001 square kilometer = 1 square meter    |
| 1 square centimeter = 100 square millimeters  |

# Conversion Tables

## Metric Units of Capacity Measure

1,000 milliliters = 1 liter

## Capacity-Cubic Measurement Equivalents

1 milliliter = 1 cubic centimeter

1 liter = 1 cubic decimeter

1 liter = 1,000 cubic centimeters

1,000 liters = 1 cubic meter

1,000 milliliters = 1 liter

## Metric Units of Weight (Mass)

1,000 milligrams = 1 gram

1,000 grams = 1 kilogram

1,000 kilograms = 1 metric ton

## Metric-Customary Length Conversions

1 inch = 2.54 centimeters

1 foot = 30.48 centimeters

1 yard = 0.9144 meter

1 mile = 1.6093 kilometers

1 foot = 0.3048 meter

## Metric-Customary Volume Conversions

1 cubic inch = 16.38 cubic centimeters

1 fluid ounce = 29.574 cubic centimeters

1 teaspoon = 4.929 milliliters

1 tablespoon = 14.787 milliliters

1 cup = 236.6 milliliters

1 quart = 0.9464 liter

1 gallon = 3.785 liters

1 quart = 946.4 milliliters

1 pint = 0.4732 liter

## Metric-Customary Weight Conversions

1 ounce = 28.35 grams

1 pound = 0.4536 kilogram

1 short ton = 907.2 kilograms

## Metric-Customary Area Conversions

1 square inch = 6.4516 square centimeters

1 square foot = 0.0929 square meter

1 square yard = 0.8361 square meter

1 acre = 0.4047 hectare

1 square mile = 2.59 square kilometers

## Prefixes Used for Large and Small Numbers

Tera = 1 trillion = 1,000,000,000,000

Gega = 1 billion = 1,000,000,000

Mega = 1 million = 1,000,000

Kilo = 1 thousand = 1,000

1=1

Milli = 1 thousandth = 0.001

Micro = 1 millionth = 0.000001

Nano = 1 billionth = 0.000000001

Pico = 1 trillionth = 0.000000000001