

# UNIT CONVERSION REFERENCE

## Mathematical Constants & Equivalencies

### LENGTH (METRIC & IMPERIAL)

|             |              |
|-------------|--------------|
| 1 Inch      | 2.54 cm      |
| 1 Foot      | 12 inches    |
| 1 Yard      | 3 feet       |
| 1 Mile      | 1.609 km     |
| 1 Kilometer | 1,000 meters |

### WEIGHT & MASS

|              |             |
|--------------|-------------|
| 1 Pound (lb) | 16 ounces   |
| 1 Kilogram   | 2.204 lbs   |
| 1 Ounce      | 28.35 grams |
| 1 Stone      | 14 lbs      |
| 1 Metric Ton | 1,000 kg    |

### VOLUME & LIQUID

|               |              |
|---------------|--------------|
| 1 Gallon (US) | 3.785 liters |
| 1 Quart       | 2 pints      |
| 1 Pint        | 0.473 liters |
| 1 Cup         | 8 fl. oz     |
| 1 Tablespoon  | 3 teaspoons  |

### TEMPERATURE

|                 |                               |
|-----------------|-------------------------------|
| Celsius to F    | $(C \times \frac{9}{5}) + 32$ |
| Fahrenheit to C | $(F - 32) \times \frac{5}{9}$ |

Celsius to K  $C + 273.15$

Water Freezes  $0C / 32F$

Water Boils  $100C / 212F$

Metric Prefixes: Kilo ( $10^3$ ) | Hecto ( $10^2$ ) | Deca ( $10^1$ ) | Base (1) | Deci ( $10^{-1}$ ) | Centi ( $10^{-2}$ ) | Milli ( $10^{-3}$ )