

# Metric Conversion Card

Approximate Scales and Conversions to Metric

Symbol    When You Know    Multiply By    To Find    Symbol

## LENGTH

|    |      |       |            |    |
|----|------|-------|------------|----|
| in | inch | 2.54  | centimeter | cm |
| ft | foot | 30.48 | centimeter | cm |
| yd | yard | 0.91  | meter      | m  |
| mi | mile | 1.61  | kilometer  | km |

## AREA

|                 |             |      |                   |                 |
|-----------------|-------------|------|-------------------|-----------------|
| in <sup>2</sup> | square inch | 6.45 | square centimeter | cm <sup>2</sup> |
| ft <sup>2</sup> | square foot | 0.09 | square meter      | m <sup>2</sup>  |
| yd <sup>2</sup> | square yard | 0.84 | square meter      | m <sup>2</sup>  |
| mi <sup>2</sup> | square mile | 2.59 | square kilometer  | km <sup>2</sup> |
| ac              | acre        | 0.41 | hectare           | ha              |

## MASS

|    |                      |       |            |    |
|----|----------------------|-------|------------|----|
| oz | ounce                | 28.35 | gram       | g  |
| lb | pound                | 0.45  | kilogram   | kg |
| tn | short ton (2 000 lb) | 0.91  | metric ton | t  |

## VOLUME

|                 |               |       |             |                |
|-----------------|---------------|-------|-------------|----------------|
| tsp             | teaspoon      | 4.93  | milliliter  | mL             |
| Tbsp            | tablespoon    | 14.79 | milliliter  | mL             |
| in <sup>3</sup> | cubic inch    | 16.39 | milliliter  | mL             |
| fl oz           | fluid ounce   | 29.57 | milliliter  | mL             |
| c               | cup           | 0.24  | liter       | L              |
| pt              | pint, liquid  | 0.47  | liter       | L              |
| qt              | quart, liquid | 0.95  | liter       | L              |
| gal             | gallon        | 3.79  | liter       | L              |
| ft <sup>3</sup> | cubic foot    | 0.03  | cubic meter | m <sup>3</sup> |
| yd <sup>3</sup> | cubic yard    | 0.76  | cubic meter | m <sup>3</sup> |

## TEMPERATURE (exact)

|    |                   |                                 |                |    |
|----|-------------------|---------------------------------|----------------|----|
| °F | degree Fahrenheit | subtract 32, then divide by 1.8 | degree Celsius | °C |
|----|-------------------|---------------------------------|----------------|----|



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|--------|---------------|-------------|---------|--------|
|--------|---------------|-------------|---------|--------|

## LENGTH

|    |            |      |      |    |
|----|------------|------|------|----|
| mm | millimeter | 0.04 | inch | in |
| cm | centimeter | 0.39 | inch | in |
| m  | meter      | 3.28 | foot | ft |
| m  | meter      | 1.09 | yard | yd |
| km | kilometer  | 0.62 | mile | mi |

## AREA

|                 |                                  |      |             |                 |
|-----------------|----------------------------------|------|-------------|-----------------|
| cm <sup>2</sup> | square centimeter                | 0.16 | square inch | in <sup>2</sup> |
| m <sup>2</sup>  | square meter                     | 1.20 | square yard | yd <sup>2</sup> |
| km <sup>2</sup> | square kilometer                 | 0.39 | square mile | mi <sup>2</sup> |
| ha              | hectare (10 000 m <sup>2</sup> ) | 2.47 | acre        | ac              |

## MASS

|    |                       |      |           |    |
|----|-----------------------|------|-----------|----|
| g  | gram                  | 0.04 | ounce     | oz |
| kg | kilogram              | 2.20 | pound     | lb |
| t  | metric ton (1 000 kg) | 1.10 | short ton | tn |

## VOLUME

|                |             |       |               |                 |
|----------------|-------------|-------|---------------|-----------------|
| mL             | milliliter  | 0.03  | fluid ounce   | fl oz           |
| mL             | milliliter  | 0.06  | cubic inch    | in <sup>3</sup> |
| L              | liter       | 2.11  | pint, liquid  | pt              |
| L              | liter       | 1.06  | quart, liquid | qt              |
| L              | liter       | 0.26  | gallon        | gal             |
| m <sup>3</sup> | cubic meter | 35.31 | cubic foot    | ft <sup>3</sup> |
| m <sup>3</sup> | cubic meter | 1.31  | cubic yard    | yd <sup>3</sup> |

## TEMPERATURE (exact)

|    |                |                                 |                   |    |
|----|----------------|---------------------------------|-------------------|----|
| °C | degree Celsius | multiply by 1.8,<br>then add 32 | degree Fahrenheit | °F |
| K  | kelvin         | subtract 273.15                 | degree Celsius    | °C |

