

## Metric Basics Common Measurements

### LENGTH

1 kilometer = 0.62137 mile  
1 meter = 3.2808 feet  
1 centimeter = 0.3937 inches  
1 mile = 1.6093 kilometers  
1 foot = 0.3048 meters  
1 inch = 2.54 centimeters

### WEIGHT

1 kilogram = 2.2046 pound  
1 gram = 0.0353 ounces  
1 short ton = 907.1847 kilos  
1 pound = 0.4536 kilos  
1 ounces = 28.3495 grams

### VOLUME

1 hecoliter = 100 liters = 0.1 cubic meters = 26.4172 gallons  
1 liter = 100 centiliters = 1 cubic decimeter = 1.0567 quarts  
1 gallon = 3.7853 liters  
1 cubic inch = 16.3871 cubic centimeters

### AREA

1 square kilometer = 1 million square meters = 0.3861 square miles  
1 hectare = 10,000 square meter = 2.471 acres  
1 square meter = 10.7639 square feet = 1550.003 square inches  
1 square mile = 640 acres = 258.9988 hectares  
1 square foot = 144 square inches = 929.0304 square centimeters

- The three basic metric units are the meter (length), the gram (weight), and the liter (volume).

- The key to metric prefixes are:

1,000 = kilo

100 = hecto

10 = deca

0.1 = dec

0.01 = cent

0.01 = milli