

Metric and Inch Equivalents

Linear Measure	
Metric	Inch
1 millimeter = 0.03937 inch	1 inch = { 25.4 millimeters 2.54 centimeters 1 foot = { 304.8 millimeters 0.3048 meter 1 yard = 0.9144 meter 1 mile = 1.609 kilometers
1 centimeter = 0.3937 inch	
1 meter = { 39.37 inches 3.2808 feet 1.0936 yards	
1 kilometer = 0.6214 mile	

Square Measure	
1 square millimeter = 0.00155 square inch	1 square inch = 6.452 square centimeters = 645.2 square millimeters 1 square foot = 0.0929 square meter = 929 square centimeters 1 square yard = 0.836 square meter 1 acre = 0.4047 hectare = 40.47 ares 1 square mile = 2.5900 square kilometers
1 square centimeter = 0.155 square inch	
1 square meter = 10.764 square feet = 1.196 square yards	
1 are = 0.0247 acre = 1076.4 square feet	
1 hectare = 2.471 acres = 107,639 square feet	
1 square kilometer = 0.3861 square mile = 247.1 acres	

Cubic Measure	
1 liter = 0.2642 U.S. gallon = 1.0567 U.S. quarts	1 U.S. quart = 0.946 liter 1 U.S. gallon = 3.785 liters = 231 cubic inches 1 cubic inch = 16.38706 cubic centimeters 1 cubic foot = 0.02832 cubic meter = 28.317 liters 1 cubic yard = 0.7646 cubic meter
1 liter (cubic decimeter) = 0.0353 cubic foot = 61.024 cubic inches	
1 cubic centimeter = 0.061 cubic inch	
1 cubic meter = 264.2 U.S. gallons	
1 cubic meter = 35.315 cubic feet = 1.308 cubic yards	

Weight	
1 gram = 15.432 grains	1 grain = 0.0648 gram 1 ounce avoirdupois (Commercial) = 28.35 grams 1 pound = 0.4536 kilogram = 453.6 grams 1 short ton (2,000 pounds) = .907 metric ton = 907 kilograms 1 long ton (2,240 pounds) = 1.016 metric ton = 1016 kilograms
1 gram = 0.03527 ounce avoirdupois (Commercial)	
1 kilogram = 2.2046 pounds = 35.274 ounces avoirdupois (Commercial)	
1 metric ton = 0.9842 ton (of 2240 pounds) = 2204.6 pounds	