

Conversion Tables for Measures and Weights

Table 1. United States to Approximate Metric Equivalent

To convert from	To	Multiply by
inches	centimeters	2.540
inches	millimeters	25.40
square inches	square centimeters	6.452
square inches	square millimeters	645.2
feet	meters	0.3048
square feet	square meters	0.09290
yards	meters	0.9144
square yards	square meters	0.8361
ounces (avdp)	grams	28.35
troy ounces	grams	31.10
pounds (avdp)	kilograms	0.4536
long tons	metric tons	1.016
short tons	metric tons	0.9071
fluid ounces	milliliters	29.57
quarts	liters	0.9464
gallons	liters	3.785
bushels	liters	35.24
cubic feet	cubic meters	0.02832
cubic yards	cubic meters	0.7646
ounces per square yard	grams per square meter	33.91

Table 2. Metric to Approximate United States Equivalent

To convert from	To	Multiply by
centimeters	inches	0.3937
millimeters	inches	0.03937
square centimeters	square inches	0.1552
square millimeters	square inches	0.01552
meters	feet	3.281
meters	yards	1.094
square meters	square feet	10.76
square meters	square yards	1.195
grams	ounces (avdp)	0.03527
grams	troy ounces	0.03215
kilograms	pounds (avdp)	2.205
metric tons	long tons	0.9842
metric tons	short tons	1.102
milliliters	fluid ounces	0.03381
liters	quarts	1.057
liters	gallons	0.2642
liters	bushels	0.02838
cubic meters	cubic feet	35.31
cubic meters	cubic yards	1.308
grams per square meter	ounces per square yard	0.0295