

Table of Weights and Measures

Metric System

LINEAR MEASURE

10 Millimeters	= 1 Centimeter
10 Centimeters	= 1 Decimeter
10 Decimeters	= 1 Meter
10 Meters	= 1 Dekameter
10 Dekameters	= 1 Hectometer
10 Hectometers	= 1 Kilometer

AREA MEASURE

100 Sq. Millimeters	= 1 Sq. Centimeter
10,000 Sq. Centimeters	= 1 Sq. Meter
1,000,000 Sq. Millimeters	= 1 Sq. Meter
100 Sq. Meters	= 1 Are (a)
100 Ares	= 1 Hectare (ha)
100 Hectares	= 1 Sq. Kilometer
1,000,000 Sq. Meters	= 1 Sq. Kilometer

VOLUME MEASURE

1 Liter	= 0.001 cubic meter
10 milliliters	= 1 centiliter
10 centiliters	= 1 deciliter
10 deciliters	= 1 liter
10 liters	= 1 dekaliter
10 dekaliters	= 1 hectoliter
10 hectoliters	= 1 kiloliter

WEIGHT

10 milligrams	= 1 centigram
10 centigrams	= 1 decigram
10 decigrams	= 1 gram
10 grams	= 1 dekagram
10 dekagrams	= 1 hectogram
10 hectograms	= 1 kilogram
1,000 kilograms	= 1 metric ton

U.S. Customary System

LINEAR MEASURE

12 inches	= 1 foot
3 feet	= 1 yard
5 ¹ / ₂ yards	= 1 rod
40 rods	= 1 furlong
8 furlongs	= 1 mile
3 land miles	= 1 league

AREA MEASURE

144 sq. inches	= 1 sq. foot
9 sq. feet	= 1 sq. yard
30 ¹ / ₄ sq. yards	= 1 sq. rod
160 square rods	= 1 acre
640 acres	= 1 sq. mile
1 sq. mile	= 1 section
6 sections	= 1 township

LIQUID MEASURE

4 gills (2 cups)	= 1 pint
2 pints	= 1 quart
4 quarts	= 1 gallon

DRY MEASURE

2 pints	= 1 quart
8 quarts	= 1 peck
4 pecks	= 1 bushel

WEIGHT

27 ¹ / ₃₂ grams	= 1 dram
16 drams	= 1 ounce
16 ounces	= 1 pound
100 pounds	= 1 hundredweight
20 hundredweight	= 1 ton

Conversion Table

To Convert	Into	Multiply By
Centimeters	Inches	.394
	Feet	.0328
	Meters	.01
Feet	Millimeters	30.48
	Centimeters	30.48
	Inches	12.00
	Meters	.3048
	Miles	.0001894
Gallons	Yards	.6777
	Pints	8.0
	Liters	3.785
Grams	Quarts	4.0
	Ounces	.035
	Pounds	.002
Inches	Kilograms	.001
	Centimeters	2.54
	Feet	.0833
Kilograms	Meters	.0254
	Yards	.0278
	Grams	1,000
Kilometers	Ounces	35,274
	Pounds	2,205
	Feet	3281
Liters	Meters	1,000
	Miles	.621
	Yards	.9144
Meters	Cups	4.226
	Pints	2.113
	Gallons	.264
Miles	Millimeters	1000
	Quarts	1.057
	Centimeters	100
Ounces	Feet	3.281
	Inches	39.37
	Kilometers	.001
Pounds	Miles	.0006214
	Millimeters	1000
	Yards	1.093
Quarts	Feet	5.280
	Yards	1.760
	Kilometers	1.609
Yards	Grams	28.35
	Pounds	.6625
	Kilograms	.028
Pints	Liters	.473
	Quarts	.50
	Gallons	.125
Pounds	Grams	453.59
	Ounces	16.0
	Kilograms	.454
Quarts	Pints	2.0
	Liters	.946
	Gallons	.25
Yards	Inches	36.00
	Feet	3.00
	Meters	9.14
	Miles	.0005682

Tape Metric Conversion Chart

9mm	approximate equivalent	3/8 Inches
12mm	approximate equivalent	1/2 Inches
18mm	approximate equivalent	3/4 Inches
24mm	approximate equivalent	1 Inch
36mm	approximate equivalent	1-1/2 Inches
42mm	approximate equivalent	1-3/4 Inches
48mm	approximate equivalent	2 Inches
60mm	approximate equivalent	2-1/2 Inches
72mm	approximate equivalent	3 Inches
96mm	approximate equivalent	4 Inches
120mm	approximate equivalent	5 Inches
144mm	approximate equivalent	6 Inches
50M	approximate equivalent	55 Yards
55M	approximate equivalent	60 Yards
66M	approximate equivalent	72 Yards
100M	approximate equivalent	110 Yards
132M	approximate equivalent	144 Yards
411M	approximate equivalent	450 Yards
711M	approximate equivalent	750 Yards
914M	approximate equivalent	1,000 Yards
1,500M	approximate equivalent	1,640 Yards
1,828M	approximate equivalent	2,000 Yards

Film Metric Conversion Chart

Film Thickness	
Micron	= Gauge
12.7	= 50
14.0	= 55
15.2	= 60
16.5	= 65
17.8	= 70
19.0	= 75
20.3	= 80
21.6	= 85
22.9	= 90
25.4	= 100
27.9	= 110
36.8	= 145
mm	Film Width = Inches
275	= 10.8
325	= 12.8
400	= 15.8
425	= 16.7
Meters	Film Length = Feet
450	= 1,476
600	= 1,968

Institutional Trash Can Liners Gauge Conversion Chart

High Density	=	Linear Low
6 MICRONS	=	0.23 MIL
7 MICRONS	=	0.28 MIL
8 MICRONS	=	0.31 MIL
9 MICRONS	=	0.35 MIL
10 MICRONS	=	0.39 MIL
11 MICRONS	=	0.43 MIL
12 MICRONS	=	0.47 MIL
13 MICRONS	=	0.51 MIL
14 MICRONS	=	0.55 MIL
15 MICRONS	=	0.59 MIL
16 MICRONS	=	0.62 MIL
17 MICRONS	=	0.66 MIL
18 MICRONS	=	0.70 MIL
19 MICRONS	=	0.74 MIL
20 MICRONS	=	0.78 MIL
21 MICRONS	=	0.83 MIL
22 MICRONS	=	0.86 MIL
23 MICRONS	=	0.91 MIL
24 MICRONS	=	0.94 MIL
25 MICRONS	=	0.98 MIL

1 MIL = 25.4 MICRONS

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