

# Conversion Tables



Metric / Imperial Conversion					
	Millimeter mm	Centimeter cm	Meter m	Kilometer km	Feet ft
1 mm	1	0.1	0.001	0.000001	0.00328
1 cm	10	1	0.01	0.00001	0.03281
1 m	1,000	100	1	0.001	3.28084
1 km	1,000,000	100,000	1,000	1	3280.84
1 in	25.4	2.54	0.0254	0.00003	0.08333
1 ft	304.8	30.48	0.3048	0.0003	1

Weights of Various Materials and Liquids									
Pounds / cu. ft.					Pounds / sq. ft.		Pounds / gal.		
Aluminum	165	Earth - Dry	75	Rubber	94	Steel Plate		Gasoline	6.2
Asphalt	81	Earth - Wet	100	Sand - Dry	105	1/8"	5	Diesel	7.0
Brass	524	Gasoline	45	Sand - Wet	120	1/4"	10	Water	8.3
Brick	120	Glass	162	Steel	490	1/2"	20		
Bronze	534	Iron Casting	470	Water	63	1"	40		
Cement - Loose	95	Lead	708	Zinc	437	Aluminum Plate			
Cement - Set	183	Lumber - Fir	32			1/8"	1.75		
Coal	56	Lumber - Oak	62			1/4"	3.50		
Concrete	150	Lumber - RR Ties	50			Lumber			
Crushed Rock	95	Oil, Motor	58			3/4" Fir	2		
Diesel	52	Paper	60			3/4" Oak	4		

Decimal Equivalents							
Fraction	Inches	Inches (rounded)	Millimeters	Fraction	Inches	Inches (rounded)	Millimeters
1/32	.0312	0.03	0.80	17/32	.5312	0.53	13.49
1/16	.0625	0.06	1.59	9/16	.5625	0.56	14.29
3/32	.0937	0.09	2.38	19/32	.5937	0.59	15.08
1/8	.125	0.13	3.18	5/8	.625	0.63	15.88
5/32	.1562	0.16	3.97	21/32	.6562	0.66	16.67
3/16	.1875	0.19	4.76	11/16	.6875	0.69	17.46
7/32	.2187	0.22	5.56	23/32	.7187	0.72	18.26
1/4	.250	0.25	6.35	3/4	.750	0.75	19.05
9/32	.2812	0.28	7.14	25/32	.7812	0.78	19.84
5/16	.3125	0.31	7.94	13/16	.8125	0.81	20.64
11/32	.3437	0.34	8.73	27/32	.8437	0.84	21.43
3/8	.375	0.38	9.53	7/8	.875	0.88	22.23
13/32	.4062	0.41	10.32	29/32	.9062	0.91	23.02
7/16	.4375	0.44	11.11	15/16	.9375	0.94	23.81
15/32	.4687	0.47	11.91	31/32	.9687	0.97	24.61
1/2	0.50	0.50	12.70	1.0	1.0	1.00	25.40