

Unit Conversion Formulae

mm	=	in
25.4	1	0.03937
50.8	2	0.07874
76.2	3	0.11811
101.6	4	0.15748
127.0	5	0.19685
152.4	6	0.23622
177.8	7	0.27559
203.2	8	0.31496
228.6	9	0.35433

m	=	ft
0.3048	1	3.28084
0.6096	2	6.562
0.9144	3	9.843
1.2192	4	13.123
1.5240	5	16.404
1.8288	6	19.685
2.1336	7	22.966
2.4384	8	26.247
2.7432	9	29.528

km	=	miles
1.60934	1	0.62137
3.219	2	1.243
4.828	3	1.864
6.437	4	2.485
8.047	5	3.107
9.656	6	3.728
11.265	7	4.350
12.875	8	4.971
14.484	9	5.592

in (fractions)	in (decimal)	mm
1/64	.015625	0.3969
1/32	.03125	0.7938
1/16	.0625	1.5875
3/32	.09375	2.3812
1/8	.125	3.1750
3/16	.1875	4.7625
1/4	.25	6.3500
5/16	.3125	7.9375
3/8	.375	9.5250
7/16	.4375	11.1125
1/2	.5	12.7000
9/16	.5625	14.2875
5/8	.625	15.8750
11/16	.6875	17.4625
3/4	.75	19.0500
13/16	.8125	20.6375
7/8	.875	22.250
15/16	.9375	23.8125

In (thou's)	mm
1	0.0254
2	0.0508
3	0.0762
4	0.1016
5	0.125
6	0.1524
7	0.1778
8	0.2032
9	0.2286

kg	=	lb
0.45359	1	2.20462
0.907	2	4.409
1.361	3	6.614
1.814	4	8.818
2.268	5	11.023
2.722	6	13.228
3.175	7	15.432
3.629	8	17.637
4.082	9	19.842

Nm	=	lbf.ft
0.738	1	1.3558
1.476	2	2.712
2.214	3	4.067
2.952	4	5.423
3.69	5	6.779
4.428	6	8.135
5.166	7	9.491
5.904	8	10.846
6.642	9	12.202

N	=	lbf
4.44822	1	0.22481
8.89644	2	0.44962
13.34466	3	0.67443
17.79288	4	0.89924
22.2411	5	1.1240
26.689	6	1.3488
31.138	7	1.5737
35.586	8	1.7985
40.034	9	2.0233

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Bar	=	psi
0.0690	1	14.50
0.1379	2	29.00
0.2069	3	43.50
0.2759	4	58.00
0.3483	5	72.50
0.4138	6	87.00
0.4828	7	101.50
0.5517	8	116.00
0.6207	9	130.50

L	=	Gallon
4.546	1	.22
9.0922	2	.4382
13.638	3	.6573
18.184	4	.8764
22.731	5	1.095
27.277	6	1.315
31.823	7	1.534
36.379	8	1.753
40.915	9	1.972

S.W.G.	In	mm
0000	.4	10.16
000	.372	9.449
00	.348	8.339
0	.324	8.229
1	.3	7.62
2	.276	7.01
3	.252	6.401
4	.232	5.893
5	.212	5.385
6	.192	4.877
7	.176	4.47
8	.16	4.064
9	.144	3.658
10	.128	3.251
11	.116	2.946
12	.104	2.642
13	.092	2.337
14	.08	2.032
15	.072	1.829
16	.064	1.626
17	.056	1.422
18	.048	1.219
19	.04	1.016
20	.036	.914
21	.032	.813
22	.028	.711
23	.024	.61
24	.022	.559
25	.020	.508
26	.018	.457
27	.0164	.4166
28	.0148	.3759
29	.0136	.3454
30	.0124	.315
31	.0116	.2946
32	.0108	.2743
33	.01	.254
34	.0092	.2337
35	.0084	.2134
36	.0076	.193
37	.0068	.1727

Temperature Conversion

From Fahrenheit (°F) to Celcius (°C) = $(°F - 32) / 9 \times 5 = °C$

From Celcius (°C) to Fahrenheit (°F) = $(°C \times 9 / 5) + 32 = °F$

Reference Temperatures

Lead melts = 328°C

Boiling water = 100°C

Human body = 37°C

Room temperature (typical) = 22°C

Water freezes = 0°C

