

MEASURES OF PRESSURES

1 pound per square inch = 144 pounds per square foot = 0.068 Atmosphere = 2.042 inches of mercury (at 62° F) = 27.7 inches of water (at 62° F) = 2.31 feet of water (at 62° F)

1 atmosphere = 30 inches of mercury (at 62° F) = 14.7 pounds per square inch = 2116.3 pounds per square foot = 33.95 feet of water (at 62° F).

1 foot of water (at 62° F) = 62.355 pounds per square foot = 0.433 pound per square inch.

1 inch of mercury (at 62° F) = 1.132 foot of water = 13.58 inches of water = 0.491 pound per square inch.

WEIGHT MEASURE

1 GRAM = 0.03527 OUNCE
 1 OUNCE = 28.35 GRAMS
 1 KILOGRAM = 2.2046 POUNDS
 1 POUND = 0.4536 KILOGRAM
 1 METRIC TON = 0.98421 ENGLISH TON
 1 ENGLISH TON = 1.016 METRIC TON
1 KIP = 4.448 KILONETONS

LINEAR MEASURE

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

SQUARE MEASURE

1 square kilometer = 0.3861 square mile = 247.1 acres
 1 hectare = 2.471 acre = 107.640 square feet
 1 square meter = 10.764 square feet = 1.196 square yard
 1 square centimeter = 0.155 square inch
 1 square millimeter = 0.00155 square inch

1 square mile = 2.5899 square kilometers
 1 acre = 0.4047 hectare
 1 square yard = 0.836 square meter
 1 square foot = 0.0929 square meter = 929 square centimeters
 1 square inch = 6.425 square centimeters = 645.2 square millimeters
 1 acre = 43,560 sf

CUBIC MEASURE

1 cubic meter = 35.314 cubic feet = 1.308 cubic yards
 1 cubic meter = 264.2 U.S. gallons
 1 cubic centimeter = 0.061 cubic inch
 1 liter(cubic decimeter) = 0.0353 cubic foot = 61.023 cubic inch
 1 liter = 0.2642 U.S. gallon = 1.0567 U.S. quart
 1 cubic yard = 0.7645 cubic meter
 1 cubic foot = 0.02832 cubic meter = 28.317 liters
 1 cubic inch = 16.38716 cubic centimeters
 1 U.S. gallon = 3.785 liters
 1 U.S. quart = 0.946 liter
 1 U.S. gallon = 0.91598 imperial gallon

INCHES TO MILLIMETERS

FRAC.	DECIMAL	MM
1/16	= .0625	= 1.5875
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	= 14.1288
5/8	= .625	= 15.8750
11/16	= .6875	= 17.4625
3/4	= .75	= 19.0500
13/16	= .8125	= 20.6375
7/8	= .875	= 22.2250
15/16	= .9375	= 23.8125

INCHES	MM	INCHES	MM	INCHES	MM
1	= 25.4	17	= 431.8	33	= 838.2
2	= 50.8	18	= 457.2	34	= 863.6
3	= 76.2	19	= 482.6	35	= 889.0
4	= 101.6	20	= 508.0	36	= 914.4
5	= 127.0	21	= 533.4	37	= 939.8
6	= 152.4	22	= 558.8	38	= 965.2
7	= 177.8	23	= 584.2	39	= 990.6
8	= 203.2	24	= 609.6	40	= 1016.0
9	= 228.6	25	= 635.0	41	= 1041.4
10	= 254.0	26	= 660.4	42	= 1066.8
11	= 279.4	27	= 685.8	43	= 1092.2
12	= 304.8	28	= 711.2	44	= 1117.6
13	= 330.2	29	= 736.6	45	= 1143.0
14	= 355.6	30	= 762.0	46	= 1168.4
15	= 381.0	31	= 787.4	47	= 1193.8
16	= 406.4	32	= 812.8	48	= 1219.2

FEET TO METERS

FEET	METERS	FEET	METERS
1	= 0.3048	16	= 4.8768
2	= 0.6096	17	= 5.1816
3	= 0.9144	18	= 5.4864
4	= 1.2192	19	= 5.7912
5	= 1.5240	20	= 6.0960
6	= 1.8288	30	= 9.1440
7	= 2.1336	40	= 12.1920
8	= 2.4384	50	= 15.2400
9	= 2.7432	60	= 18.2880
10	= 3.0480	70	= 21.3360
11	= 3.3528	80	= 24.3840
12	= 3.6576	90	= 27.4320
13	= 3.9624	100	= 30.4800
14	= 4.2672	150	= 45.7200
15	= 4.5720	200	= 60.9600

INCHES TO MILLIMETERS

MM	INCHES	MM	INCHES	MM	INCHES
1	= .0394	50	= 1.9685	375	= 14.7638
2	= .0787	75	= 2.9528	400	= 15.7480
3	= .1181	100	= 3.9370	425	= 16.7323
4	= .1575	125	= 4.9212	450	= 17.7165
5	= .1968	150	= 5.9055	475	= 18.7008
6	= .2362	175	= 6.8898	500	= 19.6850
7	= .2756	200	= 7.8740	525	= 20.6693
8	= .3150	225	= 8.8583	550	= 21.6535
9	= .3543	250	= 9.8425	575	= 22.6378
10	= .3937	275	= 10.8268	600	= 23.6220
15	= .5906	300	= 11.8110	625	= 24.6063
20	= .7874	325	= 12.7953	650	= 25.5905
25	= .9842	350	= 13.7795	675	= 26.5748
				700	= 27.5590
				725	= 28.5433
				750	= 29.5276
				775	= 30.5118
				800	= 31.4960
				825	= 32.4803
				850	= 33.4646
				875	= 34.4488
				900	= 35.4331
				925	= 36.4173
				950	= 37.4016
				975	= 38.3858
				1000	= 39.3701

METERS TO FEET

METERS	FEET	METERS	FEET
1	= 3.2808	30	= 98.4252
2	= 6.5617	35	= 114.8294
3	= 9.8425	40	= 131.2336
4	= 13.1234	45	= 147.6378
5	= 16.4042	50	= 164.0420
6	= 19.6850	55	= 180.4462
7	= 22.9659	60	= 196.8504
8	= 26.2467	65	= 213.2546
9	= 29.5276	70	= 229.6588
10	= 32.8084	75	= 246.0630
15	= 49.2126	80	= 262.4672
20	= 65.6168	90	= 295.2756
25	= 82.0210	100	= 328.0840