

ENGLISH TO METRIC STANDARDS			METRIC TO ENGLISH STANDARDS		
To Convert	into	Multiply By	To Convert	into	Multiply By
Lengths			Lengths		
inches	mm	25.4	mm	inches	0.03937
inches	cm	2.54	cm	inches	0.3937
inches	meters	0.0254	meters	inches	39.37
feet	meters	0.3048	meters	feet	3.281
yards	km	914.4	meters	yards	1.093.6
yards	meters	0.9144	km	yards	1093.6
miles	km	1.609	km	miles	0.6214
Surfaces			Surfaces		
square inches	cm ²	6.452	cm ²	square inches	0.155
square inches	m ²	0.0929	m ²	square inches	10.764
square yards	m ²	0.8361	m ²	square yards	1.196
square miles	km ²	2.59	km ²	square miles	0.3861
acres	hectares	0.4047	hectares	acres	2.471
Volumes			Volumes		
cubic inches	cm ³	16.387	cm ³	cubic inches	0.06102
cubic inches	liters	0.016387	cm ³	liquid ounces	0.03381
cubic feet	m ³	0.028317	m ³	cubic feet	35.314
cubic feet	liters	28.317	m ³	cubic yards	1.308
cubic yards	m ³	0.7646	m ³	gallons U.S.A.	264.2
liquid ounces	cm ³	29.57	liters	cubic inches	61.023
gallons U.S.A.	m ³	0.003785	liters	cubic feet	0.03531
gallons U.S.A.	liters	3.785	liters	gallons U.S.A.	0.2642
Weights			Weights		
grams	grams	0.0648	grams	grains	15.432
ounces	grams	28.35	grams	ounces	0.03527
ounces	kg	0.02835	kg	ounces	35.27
pounds	kg	0.4536	kg	pounds	2.2046
pounds	tons	0.000454	kg	tons (U.S.A.)	0.001102
tons (U.S.A.)	kg	907.2	kg	tons (long)	0.000984
tons (U.S.A.)	tons	0.9072	tons	pounds	2204.6
tons (long)	kg	1016.0	tons	tons (U.S.A.)	1.1023
tons (long)	tons	1.0160	tons	tons (long)	0.9842

Miscellaneous conversions

English measures	Corresponding metric measures
1 foot per second	= 0.3048 meter per second
1 foot per minute	= 0.3048 meter per minute
1 mile per hour	= 1.6093 kilometer per hour
1 pound per foot	= 1.48819 kilo per meter
1 pound per yard	= 0.49606 kilo per meter
1 pound per square inch	= 0.07031 kilo per square centimeter
1 pound per square foot	= 4.88261 kilos per square meter
1 ton per square inch	= 10.93704 metric tons per square meter

Notes:

Imp. gallon	= 1.200 U.S. gallons	= 4.5436 liters
1 U.S. gallon	= 0.833 Imp. gallons	= 3.7854 liters
1 litre	= 0.220 Imp. gallons	= 0.2642 U.S. gallons

Metric measures	Corresponding English measures
1 meter per second	= 3.2809 feet per second
1 meter per minute	= 3.2809 feet per minute
1 kilometer per hour	= 0.6214 mile per hour
1 kilo per meter	= 0.67196 pound per foot
1 kilo per meter	= 2.01587 pounds per yard
1 kilo per square centimeter	= 14.22282 pounds per square inch
1 kilo per square meter	= 0.20481 pounds per square foot
1 kilo per square millimeter	= 0.63495 ton per square inch
1 metric ton per square meter	= 0.09143

Notes:

1 (Nautical) mile	= 1.152 miles	= 1.8532 meters
1 FBM (foot board measurement)	= 1/12 cubic feet	= 1'x1'x1'

Thermometer Comparison

Fahren., degrees F	482	392	302	284	266	248	230	212	194	176	158	140	122	104	86	68	50	41	32	23	14	5	0	-4	-13	-22	-31	-40
Gen., degrees C	250	200	150	140	130	120	110	100	90	80	70	60	50	40	30	20	10	5	0	-5	-10	-15	-17.8	-20	-25	-30	-35	-40