

CONVERSIONS FRACTIONAL INCH TO DECIMAL INCH AND MM rounded to 4 decimals

Quarters	Quarters Decimal	Quarters MM	8 ths	8 ths Decimal	8 ths MM	16 ths	16 ths Decimal	16 ths MM
1	0.25	6.35	1	0.125	3.175	1	0.0625	1.5875
2	0.5	12.7	3	0.375	9.525	3	0.1875	4.7625
3	0.75	19.05	5	0.625	15.875	5	0.3125	7.9375
4	1	25.4	7	0.875	22.225	7	0.4375	11.1125
						9	0.5625	14.2875
						11	0.6875	17.4625
						13	0.8125	20.6375
						15	0.9375	23.8125

32 nds	32 nds Decimal	32 nds MM	64 ths 1-31	64 ths Decimal	64ths MM	64 ths 33-63	64 ths Decimal	64ths MM
1	0.03125	0.7938	1	0.015625	0.3969	33	0.515625	13.0969
3	0.09375	2.3813	3	0.046875	1.1906	35	0.546875	13.8906
5	0.15625	3.9688	5	0.078125	1.9844	37	0.578125	14.6844
7	0.21875	5.5563	7	0.109375	2.7781	39	0.609375	15.4781
9	0.28125	7.1438	9	0.140625	3.5719	41	0.640625	16.2719
11	0.34375	8.7313	11	0.171875	4.3656	43	0.671875	17.0656
13	0.40625	10.3188	13	0.203125	5.1594	45	0.703125	17.8594
15	0.46875	11.9063	15	0.234375	5.9531	47	0.734375	18.6531
17	0.53125	13.4938	17	0.265625	6.7469	49	0.765625	19.4469
19	0.59375	15.0813	19	0.296875	7.5406	51	0.796875	20.2406
21	0.65625	16.6688	21	0.328125	8.3344	53	0.828125	21.0344
23	0.71875	18.2563	23	0.359375	9.1281	55	0.859375	21.8281
25	0.78125	19.8438	25	0.390625	9.9219	57	0.890625	22.6219
27	0.84375	21.4313	27	0.421875	10.7156	59	0.921875	23.4156
29	0.90625	23.0188	29	0.453125	11.5094	61	0.953125	24.2094
31	0.96875	24.6063	31	0.484375	12.3031	63	0.984375	25.0031

INCH TO MM AND MM TO INCH CONVERSION ROUNDED TO 4 DECIMALS

value	MM to inch	Inch to MM	value	MM to inch	Inch to MM	value	MM to inch	Inch to MM	value	MM to inch	Inch to MM
1	0.039	25.4	26	1.024	660.4000	51	2.008	1,295.4000	76	2.9921	1,930.4000
2	0.079	50.8	27	1.063	685.8000	52	2.047	1,320.8000	77	3.0315	1,955.8000
3	0.118	76.2	28	1.102	711.2000	53	2.087	1,346.2000	78	3.0709	1,981.2000
4	0.158	102	29	1.142	736.6000	54	2.126	1,371.6000	79	3.1102	2,006.6000
5	0.197	127	30	1.181	762.0000	55	2.165	1,397.0000	80	3.1496	2,032.0000
6	0.236	152	31	1.221	787.4000	56	2.205	1,422.4000	81	3.189	2,057.4000
7	0.276	178	32	1.26	812.8000	57	2.244	1,447.8000	82	3.2283	2,082.8000
8	0.315	203	33	1.299	838.2000	58	2.284	1,473.2000	83	3.2677	2,108.2000
9	0.354	229	34	1.339	863.6000	59	2.323	1,498.6000	84	3.3071	2,133.6000
10	0.394	254	35	1.378	889.0000	60	2.362	1,524.0000	85	3.3465	2,159.0000
11	0.433	279	36	1.417	914.4000	61	2.402	1,549.4000	86	3.3858	2,184.4000
12	0.472	305	37	1.457	939.8000	62	2.441	1,574.8000	87	3.4252	2,209.8000
13	0.512	330	38	1.496	965.2000	63	2.48	1,600.2000	88	3.4646	2,235.2000
14	0.551	356	39	1.535	990.6000	64	2.52	1,625.6000	89	3.5039	2,260.6000
15	0.591	381	40	1.575	1,016.0000	65	2.559	1,651.0000	90	3.5433	2,286.0000
16	0.63	406	41	1.614	1,041.4000	66	2.598	1,676.4000	91	3.5827	2,311.4000
17	0.669	432	42	1.654	1,066.8000	67	2.638	1,701.8000	92	3.622	2,336.8000
18	0.709	457	43	1.693	1,092.2000	68	2.677	1,727.2000	93	3.6614	2,362.2000
19	0.748	483	44	1.732	1,117.6000	69	2.717	1,752.6000	94	3.7008	2,387.6000
20	0.787	508	45	1.772	1,143.0000	70	2.756	1,778.0000	95	3.7402	2,413.0000
21	0.827	533	46	1.811	1,168.4000	71	2.795	1,803.4000	96	3.7795	2,438.4000
22	0.866	559	47	1.85	1,193.8000	72	2.835	1,828.8000	97	3.8189	2,463.8000
23	0.906	584	48	1.89	1,219.2000	73	2.874	1,854.2000	98	3.8583	2,489.2000
24	0.945	610	49	1.929	1,244.6000	74	2.913	1,879.6000	99	3.8976	2,514.6000
25	0.984	635	50	1.969	1,270.0000	75	2.953	1,905.0000	100	3.937	2,540.0000

For MM >100, add a zero to MM on chart and move decimal inch result one decimal to the right for each factor of 10

example 1: for 700 MM (AKA 70 CM) go to chart for 70 MM find 2.7559 correct conversion for 700 MM is 27.559 inches

example 2: for 4,800 MM (aka 480 CM or 4.8 Meters) go to chart for 48 mm find 1.8898 correct conversion for 4,800 MM is 188.98 inches

For MM other values like 120 add MM for 100 and MM for 20 $3.937 + .787 = 4.724$

Yeah, I know just multiply inches times 25.4 to get MM