Board feet chart

Board feet for common lumber sizes and lengths, and per linear foot by thickness and width.

Board feet by nominal size and length

Nominal size	Per foot	8 ft	10 ft	12 ft	14 ft	16 ft
1x4	0.33	2.67	3.33	4	4.67	5.33
1x6	0.5	4	5	6	7	8
1x8	0.67	5.33	6.67	8	9.33	10.67
1x10	0.83	6.67	8.33	10	11.67	13.33
1x12	1	8	10	12	14	16
2x4	0.67	5.33	6.67	8	9.33	10.67
2x6	1	8	10	12	14	16
2x8	1.33	10.67	13.33	16	18.67	21.33
2x10	1.67	13.33	16.67	20	23.33	26.67
2x12	2	16	20	24	28	32
4x4	1.33	10.67	13.33	16	18.67	21.33
4x6	2	16	20	24	28	32
6x6	3	24	30	36	42	48

Board feet = thickness × width (inches) × length (inches) ÷ 144, on the nominal size (a 2x4 is counted as 2" × 4"), to 2 decimal places.

Board feet per linear foot by thickness and width

Thickness	4" wide	6" wide	8" wide	10" wide	12" wide
1/2"	0.33	0.5	0.67	0.83	1
3/4"	0.33	0.5	0.67	0.83	1
4/4 (1")	0.33	0.5	0.67	0.83	1
5/4 (1-1/4")	0.42	0.63	0.83	1.04	1.25
6/4 (1-1/2")	0.5	0.75	1	1.25	1.5
8/4 (2")	0.67	1	1.33	1.67	2

Hardwood thickness is often given in quarters of an inch (4/4 = 1"). Construction Calculator counts stock thinner than 1" as 1" thick, which is why the 1/2" and 3/4" rows match 4/4.

Every number is worked out by the formulas of Construction Calculator 1.1.1 (iPhone and iPad, by KLM Labs). A printed chart is a guide: measure on site. Free to print and share.