

BOARD FOOT CHART

Board feet per piece for every common nominal size from 1x4 to 8x8, at six lengths, so you can price a list that is quoted per board foot.

A board foot is 144 cubic inches of lumber: one inch thick, twelve inches wide, one foot long. Thickness times width times length in feet, divided by twelve, and the answer is board feet.

It is the unit hardwood is sold in, the unit a sawmill quotes in, and the unit a framing package gets priced in when it is bought in bulk. It is not a length and it is not an area, which is the part that trips people up.

Board feet per piece by size and length

Nominal size	8 ft	10 ft	12 ft	14 ft	16 ft	20 ft
1 x 4	2.667	3.333	4	4.667	5.333	6.667
1 x 6	4	5	6	7	8	10
1 x 8	5.333	6.667	8	9.333	10.667	13.333
1 x 10	6.667	8.333	10	11.667	13.333	16.667
1 x 12	8	10	12	14	16	20
2 x 4	5.333	6.667	8	9.333	10.667	13.333
2 x 6	8	10	12	14	16	20
2 x 8	10.667	13.333	16	18.667	21.333	26.667
2 x 10	13.333	16.667	20	23.333	26.667	33.333
2 x 12	16	20	24	28	32	40
4 x 4	10.667	13.333	16	18.667	21.333	26.667
4 x 6	16	20	24	28	32	40
6 x 6	24	30	36	42	48	60
8 x 8	42.667	53.333	64	74.667	85.333	106.667

Board feet in one piece. Nominal size is used, which is the convention the trade prices on: a 2x4 counts as 2 by 4 even though it measures 1.5 by 3.5.

Every figure on this sheet was produced by the same calculator that runs at contractorhandbook.com, free and with no signup.

These are estimating figures for ordering and pricing, not engineering. Nothing here sizes a structural member, checks a load, or replaces local code, a permit, or a manufacturer's installation instructions. Where a rule of thumb is doing the work it is written into the notes under each table rather than hidden.