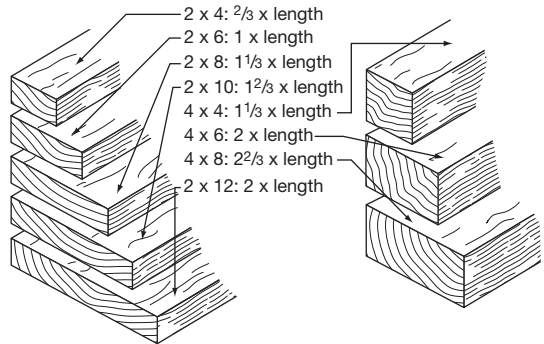
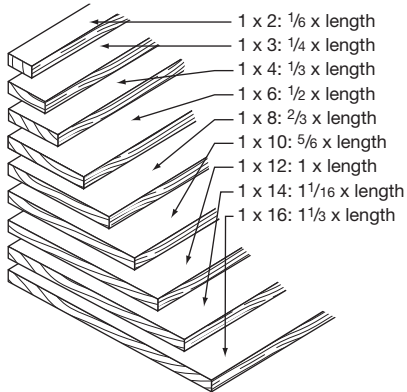


CONVERTING LINEAR FEET TO BOARD FEET

Size of Timber (in inches)	10'	12'	14'	16'	18'	20'	22'	24'
1 x 2	1 ² / ₃	2	2 ¹ / ₃	2 ² / ₃	3	3 ¹ / ₃	3 ² / ₃	4
1 x 3	2 ¹ / ₂	3	3 ¹ / ₂	4	4 ¹ / ₂	5	5 ¹ / ₂	6
1 x 4	3 ¹ / ₃	4	4 ² / ₃	5 ¹ / ₃	6	6 ² / ₃	7 ¹ / ₃	8
1 x 5	4 ¹ / ₆	5	5 ⁵ / ₆	6 ² / ₃	7 ¹ / ₂	8 ¹ / ₃	9 ¹ / ₆	10
1 x 6	5	6	7	8	9	10	11	12
1 x 8	6 ² / ₃	8	9 ¹ / ₃	10 ² / ₃	12	13 ¹ / ₃	14 ² / ₃	16
1 x 10	8 ¹ / ₃	10	11 ² / ₃	13 ¹ / ₃	15	16 ² / ₃	18 ¹ / ₃	20
1 x 12	10	12	14	16	18	20	22	24
1 x 14	11 ² / ₃	14	16 ¹ / ₃	18 ² / ₃	21	23 ¹ / ₃	25 ² / ₃	28
1 x 16	13 ¹ / ₃	16	18 ² / ₃	21 ¹ / ₃	24	26 ² / ₃	29 ¹ / ₃	32
1 x 20	16 ² / ₃	20	23 ¹ / ₃	26 ² / ₃	30	33 ¹ / ₃	36 ² / ₃	40
1 ¹ / ₄ x 4	4 ¹ / ₆	5	5 ⁵ / ₆	6 ² / ₃	7 ¹ / ₂	8 ¹ / ₃	9 ¹ / ₆	10
1 ¹ / ₄ x 6	6 ¹ / ₄	7 ¹ / ₂	8 ³ / ₄	10	11 ¹ / ₄	12 ¹ / ₂	13 ³ / ₄	15
1 ¹ / ₄ x 8	8 ¹ / ₃	10	11 ² / ₃	13 ¹ / ₃	15	16 ² / ₃	18 ¹ / ₃	20
1 ¹ / ₄ x 10	10 ¹ / ₃	12 ¹ / ₂	14 ¹ / ₂	16 ² / ₃	18 ² / ₃	20 ⁵ / ₆	22 ⁵ / ₆	25
1 ¹ / ₄ x 12	12 ¹ / ₂	15	17 ¹ / ₂	20	22 ¹ / ₂	25	27 ¹ / ₂	30
1 ¹ / ₂ x 4	5	6	7	8	9	10	11	12
1 ¹ / ₂ x 6	7 ¹ / ₂	9	10 ¹ / ₂	12	13 ¹ / ₂	15	16 ¹ / ₂	18
1 ¹ / ₂ x 8	10	12	14	16	18	20	22	24
1 ¹ / ₂ x 10	12 ¹ / ₂	15	17 ¹ / ₂	20	22 ¹ / ₂	25	27 ¹ / ₂	30

$1\frac{1}{2} \times 12$	15	18	21	24	27	30	33	36
2×4	$6\frac{2}{3}$	8	$9\frac{1}{3}$	$10\frac{2}{3}$	12	$13\frac{1}{3}$	$14\frac{2}{3}$	16
2×6	10	12	14	16	18	20	22	24
2×8	$13\frac{1}{3}$	16	$18\frac{2}{3}$	$21\frac{1}{3}$	24	$26\frac{2}{3}$	$29\frac{1}{3}$	32
2×10	$16\frac{2}{3}$	20	$23\frac{1}{3}$	$26\frac{2}{3}$	30	$33\frac{1}{3}$	$36\frac{2}{3}$	40
2×12	20	24	28	32	36	40	44	48
2×14	$23\frac{1}{3}$	28	$32\frac{2}{3}$	$37\frac{1}{3}$	42	$46\frac{2}{3}$	$51\frac{1}{3}$	56
2×16	$26\frac{2}{3}$	32	$37\frac{1}{2}$	$42\frac{2}{3}$	48	$53\frac{1}{3}$	$58\frac{2}{3}$	64
$2\frac{1}{2} \times 12$	25	30	35	40	45	50	55	60
$2\frac{1}{2} \times 14$	$29\frac{1}{6}$	35	$40\frac{5}{6}$	$46\frac{2}{3}$	$52\frac{1}{2}$	$58\frac{1}{3}$	$64\frac{1}{6}$	70
$2\frac{1}{2} \times 16$	$33\frac{1}{3}$	40	$46\frac{2}{3}$	$53\frac{1}{3}$	60	$66\frac{2}{3}$	$73\frac{1}{3}$	80
3×6	15	18	21	24	27	30	33	36
3×8	20	24	28	32	36	40	44	48
3×10	25	30	35	40	45	50	55	60
3×12	30	36	42	48	54	60	66	72
3×14	35	42	49	56	63	70	77	84
3×16	40	48	56	64	72	80	88	96
4×4	$13\frac{1}{3}$	16	$18\frac{2}{3}$	$21\frac{1}{3}$	24	$26\frac{2}{3}$	$29\frac{1}{3}$	32
4×6	20	24	28	32	36	40	44	48
4×8	$26\frac{2}{3}$	32	$17\frac{1}{3}$	$42\frac{2}{3}$	48	$53\frac{1}{3}$	$58\frac{2}{3}$	64
4×10	$33\frac{1}{3}$	40	$46\frac{2}{3}$	$53\frac{1}{3}$	60	$66\frac{2}{3}$	$73\frac{1}{3}$	80
4×12	40	48	56	64	72	80	88	96
4×14	$46\frac{1}{3}$	56	$65\frac{1}{3}$	$74\frac{2}{3}$	84	$93\frac{1}{3}$	$102\frac{1}{2}$	112

CONVERTING LINEAR FEET TO BOARD FEET (cont.)



BOARD FOOTAGE

The unit of measure for lumber is the board foot. This is a piece 1 in. thick and 12 in. square or its equivalent (144 cu. in.).

A board 1 x 12 and 10 ft. long will contain 10 bd. ft. If it were only 6 in. wide, it would be 5 bd. ft. If the original board had been 2 in. thick, it would have contained 20 bd. ft.

The following formula can be applied to any size piece where the total length is given in feet:

$$\text{Bd. ft.} = \frac{\text{No. pcs.} \times \text{T} \times \text{W} \times \text{L}}{12}$$

To find the number of board feet in six pieces of lumber that measure 1" x 8" x 14':

$$\begin{aligned} \text{Bd. ft.} &= \frac{6 \times 1 \times 8 \times 14}{12} = 56 \\ &= 56 \text{ bd. ft.} \end{aligned}$$

Stock less than 1 in. thick is figured as though it were 1 in. When the stock is thicker than 1 in., the nominal size is used. When this size contains a fraction such as $1\frac{1}{4}$, change it to an improper fraction ($\frac{5}{4}$) and place the numerator above the formula line and the denominator below.

To find the board footage in two pieces of lumber that measure $1\frac{1}{4}$ " x 10" x 8':

$$\begin{aligned} \text{Bd. ft.} &= \frac{2 \times 5 \times 10 \times 8}{4 \times 12 \times 3} = 16\frac{2}{3} \\ &= 16\frac{2}{3} \text{ bd. ft.} \end{aligned}$$

Use the nominal size of the material when figuring the footage.