

#### Board Measure Equivalents

This table, based on Standard Nominal Sizes (from 1 x 2 to 8 x 24) has been developed by Western Wood Products Association as an aid to:

- determine lineal (linear) feet per 1000 board feet, and
- find the equivalents between linear and board feet.

The common lengths between 6' and 16' are tabulated in the table; a formula is provided for calculating other lengths. This

table can be used when dollar amounts are added, as the basis of converting:

- cost per 1000 board feet to cost per lineal foot, or
- cost per piece.

Actual dressed, (surfaced), green and dry sizes are included for reference; however, **nominal sizes are always used for board footage calculations.**

When using this table, start with the **NOMINAL SIZES** column. Read to the left for lineal foot information. Read to the right

for board foot information.

For lengths, other than those tabulated, the formula for converting lineal feet to board feet is:

$$T \times W \times L = \text{Board Feet} \div 12$$

Where: **T** = nominal thickness in inches  
**W** = nominal width in inches  
**L** = nominal length in inches

	Lineal Feet per 1000 Board Feet	Lineal Feet per Board Foot	Green Surfaced Size for more than 19% moist. content	NOMINAL SIZE	Dry Surfaced Sized for 19% or less moisture content	Board Feet per Lineal Foot	BOARD FEET (rounded to the nearest 100th)					
							LENGTHS					
							6'	8'	10'	12'	14'	16'
<b>BOARDS</b>	6000'	6.0000'	Surfaced Dry Only	1 x 2	¾ x 1½"	0.1667	1	1.33	1.67	2	2.33	2.67
	4000	4.0000		1 x 3	¾ x 2½	0.2500	1.50	2	2.50	3	3.50	4
	3000	3.0000		1 x 4	¾ x 3½	0.3333	2	2.67	3.33	4	4.67	5.33
	2000	2.0000		1 x 6	¾ x 5½	0.5000	3	4	5	6	7	8
	1500	1.5000		1 x 8	¾ x 7¼	0.6667	4	5.33	6.67	8	9.33	10.67
	1200	1.2000		1 x 10	¾ x 9¼	0.8333	5	6.67	8.33	10	11.67	13.33
	1000	1.0000		1 x 12	¾ x 11¼	1.0000	6	8	10	12	14	16
857	0.8571	1 x 14	¾ x 13¼	1.1667	7	9.33	11.67	14	16.33	18.67		
<b>DIMENSION LUMBER</b>	3000	3.0000	1½ x 1½"	2 x 2	1½ x 1½	0.3333	2	2.67	3.33	4	4.67	5.33
	2000	2.0000	1½ x 2½	2 x 3	1½ x 2½	0.5000	3	4	5	6	7	8
	1500	1.5000	1½ x 3½	2 x 4	1½ x 3½	0.6667	4	5.33	6.67	8	9.33	10.67
	1000	1.0000	1½ x 5½	2 x 6	1½ x 5½	1.0000	6	8	10	12	14	16
	750	0.7500	1½ x 7½	2 x 8	1½ x 7¼	1.3333	8	10.67	13.33	16	18.67	21.33
	600	0.6000	1½ x 9½	2 x 10	1½ x 9¼	1.6667	10	13.33	16.67	20	23.33	26.67
	500	0.5000	1½ x 11½	2 x 12	1½ x 11¼	2.0000	12	16	20	24	28	32
	429	0.4286	1½ x 13½	2 x 14	1½ x 13¼	2.3333	14	18.67	23.33	28	32.67	37.33
	1333	1.3333	2½ x 2½"	3 x 3	2½ x 2½	0.7500	4.50	6	7.5	9	10.50	12
	1000	1.0000	2½ x 3½	3 x 4	2½ x 3½	1.0000	6	8	10	12	14	16
	667	0.6667	2½ x 5½	3 x 6	2½ x 5½	1.5000	9	12	15	18	21	24
	500	0.5000	2½ x 7½	3 x 8	2½ x 7¼	2.0000	12	16	20	24	28	32
	400	0.4000	2½ x 9½	3 x 10	2½ x 9¼	2.5000	15	20	25	30	35	40
	333	0.3333	2½ x 11½	3 x 12	2½ x 11¼	3.0000	18	24	30	36	42	48
	286	0.2857	2½ x 13½	3 x 14	2½ x 13¼	3.5000	21	28	35	42	49	56
	250	0.2500	2½ x 15½	3 x 16	2½ x 15¼	4.0000	24	32	40	48	56	64
	750	0.7500	3½ x 3½"	4 x 4	Surfaced Green Only	1.3333	8	10.67	13.33	16	18.67	21.33
	500	0.5000	3½ x 5½	4 x 6		2.0000	12	16	20	24	28	32
	375	0.3750	3½ x 7½	4 x 8		2.6667	16	21.33	26.67	32	37.33	42.67
	300	0.3000	3½ x 9½	4 x 10		3.3333	20	26.67	33.33	40	46.67	53.33
250	0.2500	3½ x 11½	4 x 12	4.0000		24	32	40	48	56	64	
214	0.2143	3½ x 13½	4 x 14	4.6667		28	37.33	46.67	56	65.33	74.67	
188	0.1875	3½ x 15½	4 x 16	5.3333		32	42.67	53.33	64	74.67	85.33	
<b>HEAVY TIMBERS</b>	333	0.3333	5½ x 5½"	6 x 6	Surfaced Green Only	3.0000	18	24	30	36	42	48
	250	0.2500	5½ x 7½	6 x 8		4.0000	24	32	40	48	56	64
	200	0.2080	5½ x 9½	6 x 10		5.0000	30	40	50	60	70	80
	167	0.1667	5½ x 11½	6 x 12		6.0000	36	48	60	72	84	96
	143	0.1429	5½ x 13½	6 x 14		7.0000	42	56	70	84	98	112
	125	0.1250	5½ x 15½	6 x 16		8.0000	48	64	80	96	112	128
	111	0.1111	5½ x 17½	6 x 18		9.0000	54	72	90	108	126	144
	100	0.1000	5½ x 19½	6 x 20	10.0000	60	80	100	120	140	160	
	188	0.1875	7½ x 7½"	8 x 8	Surfaced Green Only	5.3333	32	42.67	53.33	64	74.67	85.33
	150	0.1500	7½ x 9½	8 x 10		6.6667	40	53.33	66.67	80	99.33	106.67
	125	0.1250	7½ x 11½	8 x 12		8.0000	48	64	80	96	112	128
	107	0.1071	7½ x 13½	8 x 14		9.3333	56	74.67	93.33	112	130.67	149.33
	94	0.0938	7½ x 15½	8 x 16		10.6667	64	85.33	106.67	128	149.33	170.67
	83	0.0833	7½ x 17½	8 x 18		12.0000	72	96	120	144	168	192
	75	0.0750	7½ x 19½	8 x 20		13.3333	80	106.67	133.33	160	186.67	213.33
68	0.0682	7½ x 21½	8 x 22	14.6667		88	117.33	146.67	176	205.33	234.67	
63	0.0625	7½ x 23½	8 x 24	16.0000	96	128	160	192	224	256		