

# PLANNING A STAIR

## Common Stair Calculations

FLOOR TO FLOOR	RISERS	HEIGHT OF RISER	TREAD WIDTH	TOTAL RUN	HEAD ROOM	WELL OPENING
8'0"	12	8"	9"	8'3"	6'8"	8'1"
	13	7 $\frac{3}{8}$ " +	9 $\frac{1}{2}$ "	9'6"	6'8"	9'2 $\frac{1}{2}$ "
	13	7 $\frac{3}{8}$ " +	10"	10'0"	6'8"	9'8 $\frac{1}{2}$ "
8'6"	13	7 $\frac{7}{8}$ " -	9"	9'0"	6'8"	8'3"
	14	7 $\frac{5}{16}$ " -	9 $\frac{1}{2}$ "	10'3 $\frac{1}{2}$ "	6'8"	9'4"
	14	7 $\frac{5}{16}$ " -	10"	10'10"	6'8"	9'10"
9'0"	14	7 $\frac{1}{16}$ " +	9"	9'9"	6'8"	8'5"
	15	7 $\frac{5}{16}$ " +	9 $\frac{1}{2}$ "	11'1"	6'8"	9'6 $\frac{1}{2}$ "
	14	7 $\frac{5}{16}$ " +	10"	10'6"	6'8"	9'11 $\frac{1}{2}$ "

## Hardwood Flooring Conversion Formulas

<b>2<math>\frac{1}{4}</math>" Width</b>	<b>3<math>\frac{1}{4}</math>" Width</b>
<p><b>Board Feet to Square Feet</b>                      Board Feet x .75 = Square Feet                      Example: 936 BF x .75 = 702 SF.</p>	<p><b>Board Feet to Square Feet</b>                      Board Feet x .8125 = Square Feet                      Example: 936 BF x .8125 = 760.5 SF.</p>
<p><b>Square Feet to Board Feet</b>                      Square Feet x 1.333 = Board Feet                      Example: 702 SF x 1.333 = 936 BF</p>	<p><b>Square Feet to Board Feet</b>                      Square Feet x 1.231 = Board Feet                      Example: 760.5 SF x 1.231 = 936 BF</p>
<p><b>Board Foot Price to Square Foot Price</b>                      BF Price x 1.333 = SF. Price                      Example: \$1350/M x 1.333 = \$1.80/SF</p>	<p><b>Board Foot Price to Square Foot Price</b>                      BF Price x 1.231 = SF. Price                      Example: \$1900/M x 1.231 = \$2.34/SF</p>
<p><b>Square Foot Price to Board Foot Price</b>                      SF Price x .75 = BF. Price                      Example: \$1.80 SF x .75 = \$1350/M BF.</p>	<p><b>Square Foot Price to Board Foot Price</b>                      SF Price x .8125 = Board Foot Price                      Example: \$2.34/SF x .8125 = \$1901/M BF.</p>
<p><b>Note: Always round up</b>  <b>Add +5% for Cutting Waste</b></p>	<p><b>Note: Always round up</b>  <b>Add +5% for Cutting Waste</b></p>