

A contractor must make an accurate estimate of the floor covering needed in a house. Flooring may consist of vinyl, tile, carpeting, or hardwood flooring. For cabin 1 the flooring is listed in the table. Note that flooring will not be needed where the bathtub, toilet, sink, cabinets, etc. are located.

**You may use a calculator for this page.**

**Important Note: A square yard is equal to 9 square feet (3 feet by 3 feet).**

**Flooring Cost Estimate for Cabin 1**

Room	Measurements		Area	Material	Cost per Unit	Total Cost (nearest \$)
	Length	Width				
Living Area	13 ft	18 ft		Carpet	\$26.50 per square yard	
Kitchen	13 ft	10 ft		Vinyl	\$3.00 per square foot	
Bathroom	5 ft	3 ft		Tile	\$4.00 per square foot	
Bedroom 1	12 ft	10 ft		Carpet	\$26.50 per square yard	
Bedroom 2	12 ft	10 ft		Carpet	\$26.50 per square yard	
Hallway	3 ft	5 ft		Carpet	\$26.50 per square yard	
<b>*** Total for of all flooring ***</b>						

How many sheets of plywood would need to be bought if the entire cabin floor was instead made of plywood? Plywood is 4 feet by 8 feet.	
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A builder must be able to communicate the size of windows needed. Windows are assigned a code number that corresponds to the size of the window. A window that reads 2846 would be 2 feet 8 inches across and 4 feet 6 inches high. The 2846 window is called a two eight, four six.

**Window Perimeters and Areas**

Window Code	Window Width	Window Height	Width in inches	Length in inches	Perimeter in inches	Area in square inches
2846	2'8"	4'6"	32	54	172	1728
3444						
3852						
4468						
2646						
3268						
32410						
8068						