

## Post 1

Choose one of the following as the shape of your shed – square, or rectangle – and list the dimensions. Each dimension (length, width, etc.) must be 15 feet or less.

Find the area of the floor of your getaway using the appropriate formula. Don't forget to use the correct units for area. Round your answer to the nearest hundredth, if necessary.

Go to the website of your favorite building supply store and get the price of the flooring you would like to use. Remember, the sky is the limit since you are planning on winning the contest and the store will be paying the bill. Include the link to the flooring so we can admire your choice. Using the area, find the approximate cost of the flooring. This is a money amount, so round your answer accordingly.

## Post 1 Example

NOTE: Not all parts of the Discussion are included in this Example. Read the Discussion Question thoroughly and respond to all parts of the Question.

I am going to build a rectangular shed with a length of 20 feet and a width of 16 feet.

$$\begin{aligned} A &= lw \\ &= (20)(16) \\ &= 320 \text{ feet squared or } 320 \text{ ft}^2 \end{aligned}$$

I found brushed marble tile that I like for \$7.35/ft<sup>2</sup>. You can see the tile here: <http://www.homedepot.com/p/MS-International-Cappuccino-Pattern-Honed-Chipped-Brushed-Marble-Floor-and-Wall-Tile-10-kits-80-sq-ft-pallet-TTCAPU-PAT-HCB/205762421>.

$$\text{Tile Cost} = 320 \text{ ft}^2 \times \frac{\$7.35}{\text{ft}^2} = \$2352$$