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Surface Area & Volume Word Problems

D:\Users\cwwashington\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\OW7TVCRR\MC900351390[1].wmf

1. Lisa wanted to paint her ugly brown flower box red. Using the given dimensions, how many square inches will she have to paint?

8 in

22 in

10 in

1. Lauren’s family room is the shape of a rectangular prism with a volume of 1,120 cubic feet. If she decides to knock out the wall and triple the length of her family room, what will happen to the volume?
2. David and Karen are building a tree house in the shape of a rectangular prism for their daughter. If the tree house is going to 5 feet tall, 8 feet wide, and 7.5 feet long how much space will there be inside? How much space will they have to paint on the outside?



1. This pencil cup is made out of plastic. It is 5 inches tall and has a radius of 1.75 inches. How many square inches of plastic were used to make the cup?
2. A Campbell’s Soup can is 6 inches tall and has a radius of 2.5 inches. How much paper is needed to make the label? How much room is there inside the can to hold the soup?