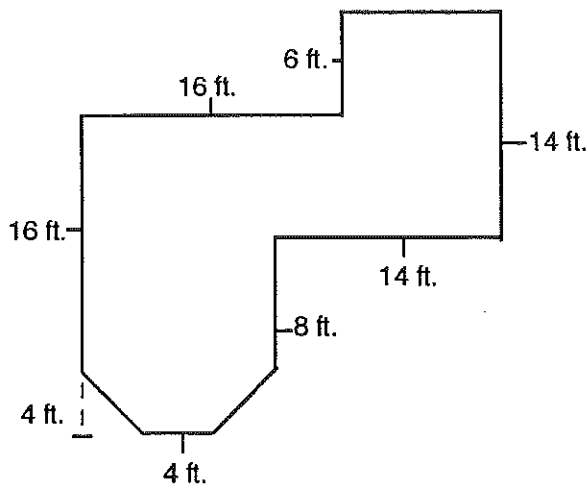


An Architect Needed!

Your Aunt Lucy has decided to re-floor the downstairs of her house and she wants you to help her out. She knows that you have been assuming the role of an architect within your math class and thinks you can handle the job. Below are the dimensions of her downstairs:



She is looking to purchase square tiles with a side length of 15" and a cost of \$15.55 per tile.

How many tiles should she order?

What would be the material cost for the entire downstairs?

Now that you've seen the total price of the tiles, you've decided that putting tile in your house may be a little too expensive. Do some research on the internet on various floor coverings. Name at least 2 OTHER kinds of floor coverings you might choose to install instead of tile. What are some things that might help you in your decision?

Which of these might you choose to install in your own house and why? (Please base your decision on something other than the way it looks on the computer.) Your decision must be based on logical mathematical reasoning. Find the cost of **one** of these.

Search the Home Depot website and locate the carpet calculator. With your partner, use the carpet calculator to decide how much carpet you would need for the floor used in the first activity on the first page. How many square yards would you need? Explain how you decided on that amount.

What other projects in your own home might you need help in completing? Look around the website to see if you can find any do-it-yourself tips.
