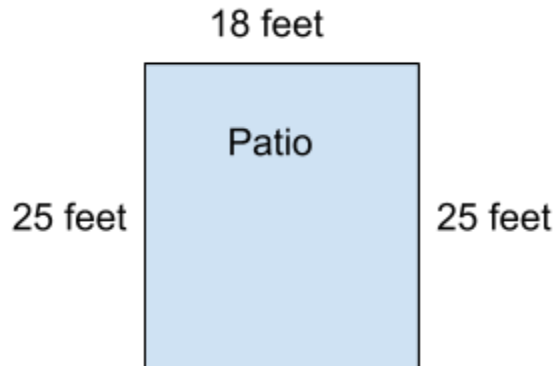


Hello! Welcome to the Problem of the Day for Thursday, April 9.

Recap: Yesterday we figured out that Mr. Ben and I need 68 feet of lights to string along three sides of my patio. Here's how we got that answer:

$25 \text{ feet} + 25 \text{ feet} + 18 \text{ feet} = 68 \text{ feet}$
Mr. Ben and Mrs. Adams need 68 feet of lights.



Today, I need your help to figure out the next step of our backyard project!

Part A: Here is an advertisement for the type of lights we would like to purchase for our backyard. It says that the length of each string of lights is 24 feet. How many strings of lights will we need to purchase in order to have enough for the 3 sides of our patio? How many extra feet of lights will there be, if any?

The advertisement shows a product box for "luminar OUTDOOR" string lights. The box is green and white. It features images of the string lights in white and black. Text on the box includes: "Ideal for Outdoor Accent Lighting on Patios, Porches, Walkways, and Restaurants", "24 FT. 12 BULB OUTDOOR STRING LIGHTS", "COMES WITH 12 INCANDESCENT BULBS PLUS 6 REPLACEMENTS", "HEAVY DUTY 18 GAUGE WIRE DESIGNED FOR OUTDOOR USE", "COMBINE UP TO 10 STRING LIGHTS FOR UP TO 240 FT. OF OUTDOOR LIGHTS", "12 SOCKETS SPACED 2 FT. APART", "WHITE", and "BLACK". To the right of the box, there is a price tag for "\$27.99" and a quantity selector set to "1".

Part B: About how much money will we spend to buy enough lights for our backyard project? Round amounts to the nearest dollar.

I'd love for you to send a picture of your work to me on ClassDojo!