

Hello! Welcome to the Problem of the Day for Friday, April 10th.

Recap: Yesterday you used an advertisement and worked to find out how many strings of lights Mr. Ben and I would need to buy to go around the 68 feet of our patio, and if there would be any extra length. Then, you found out about how much it would cost to buy the strings of lights, rounding to the nearest dollar.

Each string is 24 feet long. We need at least 68 feet.

Two boxes: $24 + 24 = 48$ feet (not long enough)

Three boxes: $48 + 24 = 72$ feet (long enough, with extra!)

72 feet - 68 feet = 4 feet

There will be 4 extra feet.

Each box was \$27.99 which we round to \$28.

If we buy 3 boxes, that's $3 \times \$28$, or $\$28 + \$28 + \$28$

The total cost is about \$84.

**Today, I need your help to figure out the next step of our backyard project!
There are 2 parts to the problem again- be sure to scroll to the 2nd page.**

Part A: Look at the advertisement again. How far apart are the light bulbs spaced? Using the information above from yesterday's problem, please figure out the total number of light bulbs Mr. Ben and I will need to get for our light strings.

24 FT. 12 Bulb

luminar **OUTDOOR**® 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 16 GAUGE WIRE DESIGNED FOR OUTDOOR USE

UL LISTED E179134

WHITE

BLACK

COMBINE UP TO 10 STRING LIGHTS FOR UP TO 240 FT. OF OUTDOOR LIGHTS

12 SOCKETS SPACED 2 FT. APART

4"

2 FT. 2 FT.

5 (3)

Illuminate gardens, patios, and porches with these incandescent string lights.

\$27.99

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Part B: We found the perfect bulbs to make our lights look just like the picture in the advertisement! This is how the light bulbs are packaged:



Using what you found in **Part A**, how many boxes of these light bulbs will Mr. Ben and I need to purchase for our project?

Remember to write a target statement for each part, and show your work. Upload a picture to [ClassDojo](#) so I can see what you're thinking!