

Max's Christmas Market Math

Learning objective: To apply mathematical reasoning to solve problems involving money and area in a festive context.

Help Max the monkey organize his Christmas market stall! Use your mathematical skills to design the layout, calculate the costs, and label your drawing correctly.

Draw: Draw a top-down view (a bird's-eye view) of Max's 4m x 3m Christmas market stall. Include: a rectangular table for the baubles, a separate space for the cookies, and a decorative border representing the fairy lights around the edge. Use geometric shapes to represent the stock and ensure the layout looks organized and accessible for shoppers.



Label words: Perimeter · Area · Profit · Unit price · Total cost · Festive decorations

Steps:

1. Calculate the area of Max's rectangular stall in square metres. Show your working out.
2. If a customer buys 3 baubles and 2 cookies, how much will they spend in total? Use the prices provided in the passage.
3. Max wants to add a string of fairy lights around the perimeter of his stall. What is the total perimeter of the stall?
4. Label your drawing to show where you have placed the baubles and cookies. Why did you choose this

layout?

5. If Max makes a total of £25.00 from sales and his supplies cost him £12.50, how much profit has he made?