

Max's Easter Market Challenge

Learning objective: To apply mathematical reasoning and calculations involving money, perimeter, and area in a creative context.

Help Max the monkey organise his Easter stall! Follow the steps below to design the stall, ensuring your calculations are accurate. Use a ruler for straight lines.

Draw: Draw a top-down bird's-eye view of Max's Easter market stall. Include a rectangular table in the centre with chocolate eggs arranged in a grid pattern (use an array to show 4 rows of 5 eggs). Draw price tags next to the items. Add a decorative border around the edge of the stall representing the bunting. Ensure the stall dimensions are labelled (4m x 3m) and the display looks neat and professional.



Label words: Easter Eggs · Profit · Perimeter · Area · Total Cost · Stall Display · Price Tag

Steps:

1. Max buys 12 chocolate eggs at £2.50 each. Calculate the total cost. If he sells them all for a 20% profit, what is the new selling price per egg?
2. If Max's rectangular stall measures 4 metres by 3 metres, calculate the area. If he wants to place a bunting border around the perimeter, what length of bunting does he need?
3. Explain why it is important for Max to consider the 'opportunity cost' when deciding whether to spend his

budget on more stock or better decorations.

4. Compare and contrast the cost-effectiveness of buying eggs in bulk versus individually. Justify your answer using mathematical reasoning.

5. What might happen to Max's total profit if he decides to offer a 'Buy 3, get 1 half-price' deal? Show your calculation.

6. Label your drawing with the 'Total Cost' of your stall setup and the 'Potential Profit' you predict Max will make.