Max’s Market Stall Challenge

Learning objective: To solve multi-step problems involving money, calculating totals, change, and profit in the context of a school enterprise project.

Max the monkey is setting up a stall to raise money for the school library. Use your mathematical skills to help him plan his inventory, calculate his costs, and work out his final profit. Show your working out clearly for each calculation.

Word bank: Profit · Cost price · Selling price · Expenditure · Revenue · Budget · Calculation · Total

1. The Shopping List: List three items Max needs to buy for his stall. Estimate the cost for each item and calculate the total initial expenditure in £. (3 marks)

2. Pricing Strategy: If Max buys an item for £1.50 and wants to make a profit, what price should he sell it for? Explain how you calculated this. (2 marks)

3. The First Customer: A customer buys two items costing £2.45 each. They pay with a £10.00 note. Calculate the total cost and the change Max must give back. (3 marks)

4. Daily Revenue: Max sells 15 items at an average price of £3.20 each. Calculate the total revenue he has collected by the end of the day. (2 marks)

5. Final Profit: If Max's total expenditure was £25.00 and his total revenue was £48.00, calculate his final profit. Was his stall a success? (2 marks)

Extension challenge: Imagine Max decides to offer a 'Buy one, get one half price' deal on his items. How would this affect his total profit? Write a short paragraph explaining your reasoning.