Max’s Market Stall: A Financial Planning Challenge

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

Max the monkey is organising a charity market stall. Use your mathematical skills to help him manage his budget, calculate the costs of his goods, and ensure he makes a profit. Use the £ symbol for all your calculations and show your working out clearly.

Word bank: profit · expenditure · calculate · budget · unit price · transaction · subtotal · remainder

1. Max buys 15 packs of recycled pencils at £1.45 each. Calculate the total expenditure for the pencils. Explain your method for this calculation. (3 marks)

2. If Max sells each pack of pencils for £2.25, what is the total revenue he will make if he sells all 15 packs? Justify why this is a good price point for his customers. (3 marks)

3. A customer buys 3 packs of pencils and pays with a £10 note. Calculate the exact change Max must return to the customer. (2 marks)

4. Compare and contrast the difference between 'revenue' and 'profit'. How would Max calculate his final profit after paying for the pencils? (4 marks)

5. What might happen if Max decided to increase the price of his pencils by 20p? Predict how this change in price might affect his total sales volume. (3 marks)

6. Max has a starting budget of £50.00. Create a list of two other items he could buy to sell on his stall, ensuring he does not exceed his budget. Include the unit price for each. (4 marks)

Extension challenge: Design a promotional poster for Max’s stall. In the corner, create a 'Special Offer' box that uses a multi-step calculation to show a discount (e.g., 'Buy 3 for the price of 2'). Calculate the total savings for the customer and explain why you chose that specific deal.