Max’s Festive Fundraising Challenge

Learning objective: To apply knowledge of multi-step addition, subtraction, and multiplication to solve real-world problems involving money and decimal notation.

Max the monkey is organising a Christmas charity fair for the forest animals. Help him manage the budget by calculating the costs for each stall. Use your knowledge of place value and formal written methods to solve the problems below. Ensure you include the £ symbol and two decimal places for all monetary answers.

Word bank: budget · expenditure · profit · calculation · decimal · subtotal · remainder · multiplication

1. Max buys 15 boxes of baubles for the decoration stall. Each box costs £4.25. Calculate the total expenditure for the baubles. Show your working out. (2 marks)

2. The hot chocolate stall has a starting budget of £50.00. They spend £12.80 on cocoa powder and £8.45 on marshmallows. How much money remains from the original budget? (2 marks)

3. Ellie the elephant donates 4 sets of fairy lights to the tree stall. If each set usually costs £6.75, what is the total value of her donation? (2 marks)

4. Compare and contrast: If Max buys 8 ribbons at £1.50 each or 12 ribbons at £0.95 each, which option is cheaper? Justify your answer with a calculation. (3 marks)

5. The charity fair makes a total profit of £185.50. Max decides to split this equally between 5 local animal shelters. How much money does each shelter receive? (2 marks)

6. What might happen if the price of ingredients increases by 20% before the fair starts? Explain how this would affect Max's total profit calculations. (3 marks)

Draw: Draw a festive, organised stall for the forest animals, including a price list board showing the costs of items in pounds and pence.

Extension challenge: Design your own Christmas stall for the forest. List 5 items you would sell, their individual costs, and calculate the total cost if you were to buy 10 of each item. Then, decide on a selling price for each item and calculate the potential profit if you sold half of your stock.