Max’s Easter Market Challenge

Learning objective: To apply multi-step calculations, including addition, subtraction, and multiplication, to solve real-world problems involving money and measure in the context of an Easter market.

Max the monkey is organising the annual Easter Market. He needs your mathematical expertise to calculate costs, profits, and quantities. Show your working out clearly for every calculation, ensuring you include the correct units (£ and p).

Word bank: profit · expenditure · calculate · estimate · multiple · remainder · total · value

1. Max is buying materials to make 120 Easter baskets. Each basket costs £1.45 to decorate. Calculate the total expenditure for the decorations and explain how you arrived at your answer. (3 marks)

2. The market sells luxury chocolate eggs for £4.75 each. If Max sells 84 eggs, what is his total revenue? If he had a goal of £500, how much more or less did he make? (4 marks)

3. Compare and contrast: If Max decided to offer a 'Buy 3 for £12.00' deal on chocolate eggs instead of selling them individually for £4.75, justify whether this would increase or decrease his total profit per egg. (4 marks)

4. A box of decorative ribbons costs £6.50 and contains 15 metres of ribbon. Each basket requires 40 centimetres of ribbon. How many full baskets can he decorate, and how much ribbon will be left over? (4 marks)

5. Explain why it is important for Max to round his decimal answers to two decimal places when dealing with currency. What might happen if he rounded to the nearest pound instead? (3 marks)

6. If Max increases the price of his baskets by 15% next year to cover rising costs, what would the new price of a basket be? Show your method. (3 marks)

Extension challenge: Design a new stall for the Easter market. Create a price list for three items, then invent a 'bundle deal' that uses percentages or fractions to offer a discount. Calculate the potential profit if you sell 50 of each item.