Max’s Easter Market Maths Challenge

Learning objective: To apply knowledge of money, multiplication, and addition to solve multi-step problems in a real-world context.

Max the monkey is helping set up an Easter market! Use your maths skills to help him calculate costs, work out change, and plan his stall. Read each section carefully, show your working out, and justify your decisions where asked.

Word bank: total · calculate · remainder · estimate · profit · expenditure · multiplication · equivalent

1. Max is buying Easter treats to sell. He buys 8 bags of chocolate eggs at £2.45 each. Calculate the total cost of the eggs and explain your method of multiplication. (3 marks)

2. If Max sells each bag for £3.50, how much profit does he make in total once he has sold all 8 bags? Show your working out clearly. (3 marks)

3. A customer buys 3 decorative baskets priced at £4.20 each and pays with a £20 note. Calculate the change the customer should receive. (3 marks)

4. Max wants to create a special Easter bundle containing 2 chocolate eggs and 1 basket. If he sells the bundle for £8.00, is this better value for the customer than buying the items separately? Justify your answer using calculations. (4 marks)

5. Compare and contrast the cost of buying items individually versus buying them in a bundle. Why might a shopkeeper choose to sell items as a bundle? (3 marks)

6. What might happen to Max’s profit if he decided to reduce the price of the baskets by 50p each due to a sale? Calculate the new potential profit if he sells all 8 bags and 3 baskets. (4 marks)

Extension challenge: Design your own Easter stall! Create a price list for three different items. Create a 'challenge question' for a partner where they have to calculate the total cost for a customer buying a mix of your items and then calculate the change from a £20 note.