Max’s Market Challenge: Mastering Money

Learning objective: To solve complex multi-step problems involving money, including calculating change and comparing totals using pounds (£) and pence (p).

Max the monkey has been busy at the local market. Use your maths skills to help him solve these financial puzzles. Show your working out clearly for every calculation.

Max is shopping for fruit. A basket of strawberries costs £2.45, a bunch of bananas costs £1.80, and a bag of apples costs £3.15. He has a £10.00 note in his pocket.

Word bank: total · change · calculate · value · difference · estimate · transaction

1. Max decides to buy one basket of strawberries and one bag of apples. Calculate the total cost of these two items. (2 marks)

2. If Max pays for the strawberries and apples using his £10.00 note, how much change should he receive? Show your subtraction method. (3 marks)

3. Compare the cost of the strawberries and the bananas. What is the difference in price between the two items? (2 marks)

4. Max wants to buy all three items (strawberries, bananas, and apples). Does he have enough money in his £10.00 budget? Justify your answer with a calculation. (3 marks)

5. Explain why it is useful to estimate the total cost of items before reaching the checkout at a market. (2 marks)

Draw: Draw a set of market stalls with price tags on the fruit. Include Max the monkey holding a sign that shows a clever way to group the prices to make adding them easier.

Extension challenge: What might happen if the price of the bananas increased by 50p? How would this change your total for all three items? Write a short explanation justifying whether Max would still be able to afford all three items with his £10.00 note.