Max’s Market Stall Challenge

Learning objective: To multiply multi-digit numbers up to four digits by a two-digit whole number using the formal written method of long multiplication.

Max the monkey is helping at the local community market. He has listed the prices for various goods. Use your formal long multiplication skills to calculate the total cost for each bulk order. Show your working out clearly, remembering to use a placeholder zero when multiplying by the tens digit.

Word bank: multiplicand · multiplier · product · placeholder · regrouping · column · total

1. A local cafe orders 24 bags of coffee beans. If one bag costs £15, what is the total cost? (2 marks)

2. The community centre buys 36 crates of apples. Each crate costs £28. Calculate the total price. (2 marks)

3. Max sells 45 packets of wildflower seeds. Each packet is priced at £12. How much money does he collect? (2 marks)

4. A baker buys 112 bags of flour for his shop. If each bag costs £14, what is the total cost of the order? (2 marks)

5. Max sold 215 jars of local honey, priced at £13 each. Calculate the total profit for the stall. (2 marks)

Draw: Draw a busy market stall scene with Max the monkey holding a clipboard and a pencil, surrounded by crates of fruit and jars of honey, with price tags clearly visible.

Extension challenge: Max has £500 to spend on new equipment for his stall. If he buys 12 new wooden crates at £24 each and 15 display baskets at £16 each, how much money will he have left? Show your calculation.