

Max's Market Challenge: Multiplication Mastery

Learning objective: To multiply numbers up to 4 digits by a one-digit or two-digit number using a formal written method, including long multiplication for two-digit numbers.

Max the monkey is helping at the local community market. He has listed the prices for various fresh produce below. Help Max calculate the total cost for each bulk order by completing the multiplication equations. Show your full working out for each calculation to help Max check his math!

Word bank: product · multiplier · multiplicand · long multiplication · estimate · calculation

1. 1. A crate of 24 apples costs £3. If a school orders 15 crates, how much will they pay in total? (2 marks)

2. 2. A bunch of carrots costs £2. A local café orders 142 bunches for their soup recipe. What is the total cost? (2 marks)

3. 3. Max sells bags of flour for £12 each. If he sells 324 bags in one day, how much money has he made? (2 marks)

4. 4. A large box of organic strawberries costs £28. If the market sells 45 boxes, calculate the total revenue. (2 marks)

5. 5. Max thinks that 12×45 is the same as 45×12 . Is he correct? Explain your reasoning using your multiplication results. (2 marks)

Draw: Draw a colorful market stall scene featuring Max the monkey holding a sign that shows one of your multiplication answers written in a fancy, artistic font.



Extension challenge: Max wants to buy 125 packs of seeds that cost £14 each. He has £2,000 in his budget. Does he have enough money? Show your calculation and write a sentence explaining how much money he will have left over or how much more he needs.