

Max's Multiplication Market Challenge

Learning objective: To multiply multi-digit numbers by two-digit numbers using formal written methods.

Max the monkey is helping the local market stallholders calculate their daily earnings. Use your knowledge of formal long multiplication to solve these puzzles. Show your working out clearly in the boxes provided to ensure you get the right answer for the stallholders.

Word bank: multiplicand · multiplier · product · long multiplication · column · place value · exchange · total · calculation

1. The apple stall sold 24 crates of apples. Each crate costs £35. Calculate the total earnings for the apple stall. (3 marks)

2. The honey stall, managed by Bea, sold 42 jars of local honey at £18 each. What is the total value of these sales? (3 marks)

3. Explain the importance of the 'zero' placeholder when you move to multiplying by the tens digit in a two-digit multiplication sum. (2 marks)

4. The flower stall sold 56 bouquets for £25 each. If they had sold 60 bouquets instead, how much more money would they have made? Show your method. (3 marks)

5. Create your own multiplication word problem involving a price of £47 and a quantity of 32 items. Solve it below. (4 marks)

Extension challenge: If each crate of apples weighed 12kg, how many kilograms of apples were sold in total? Use the answer from question 1 to help you calculate this.