

Max's Multiplication Market

Learning objective: To practise multiplying two-digit numbers by one-digit numbers using formal written methods and solving money-based word problems.

Max the monkey is helping at the local market today. Use your multiplication skills to help him calculate the total costs for his customers. Choose your items, decide how many you are buying, and use the boxes below to show your working out and final totals in rupees and paise (£).

Word bank: multiply · product · partitioning · total · calculation · formal method · exchange · place value

1. The Fruit Stand: Choose two different items from the market priced between £2 and £9. If a customer buys 4 of each item, what is the total cost for each? Show your working out using partitioning. (3 marks)

2. The Bakery Challenge: Max has 6 boxes of pastries. Each box contains 14 individual treats. How many treats are there in total? Write the calculation as a multiplication sentence. (2 marks)

3. The Flower Shop: A bouquet of sunflowers costs £8. If Max sells 23 bouquets, how much money has he made in total? Use the formal written method (column multiplication) to solve this. (3 marks)

4. Max's Puzzle: If an item costs £12 and you buy 5 of them, explain how you could use your knowledge of 10 times tables to help find the answer quickly. (2 marks)

5. Market Logic: If you have £50, can you afford to buy 7 items that cost £8 each? Show your calculation and explain your answer. (3 marks)

Extension challenge: Create your own 'Market Challenge' by choosing three items with different prices. Write a word problem for a partner to solve that requires them to multiply by 7, 8, or 9.