

Max's Market Stall Challenge

Learning objective: To multiply numbers up to 4 digits by a 2-digit 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 items sold in bulk. Use the formal long multiplication method to calculate the total cost for each order. Show your working out in the space provided. Remember to use your placeholder zero when multiplying by the tens column!

Word bank: Product · Placeholder · Carry · Total · Multiplication · Column · Value

1. The school orders 24 boxes of apples. Each box costs £15. How much does the school spend in total? (2 marks)

2. A baker buys 32 sacks of flour. Each sack costs £28. Calculate the total cost of the flour. (2 marks)

3. Max sells 16 jars of honey. Each jar is priced at £12. What is the total value of the honey sold? (2 marks)

4. A local cafe buys 45 bags of coffee beans. Each bag costs £34. How much do they pay in total? (2 marks)

5. A community center buys 26 packs of craft supplies. Each pack costs £57. What is the total cost? (2 marks)

Draw: Draw a picture of Max the monkey standing behind a market stall filled with crates of fruit and jars of honey, with a large chalkboard showing the sum ' 24×15 '.



Extension challenge: Max has a budget of £2,000. If he buys 48 items that each cost £42, will he stay within his budget? Show your calculation to prove your answer.