

Max's Market Challenge: Addition Adventure

Learning objective: To add whole numbers with more than four digits using formal written methods (column addition).

Max the monkey is helping at the community market. He has a list of items and their prices. Your task is to calculate the total cost for each set of shoppers by filling in the blanks. Use the column addition method to ensure your calculations are accurate. Remember to line up your digits according to their place value (ten-thousands, thousands, hundreds, tens, and ones).

Word bank: Place value · Column addition · Regrouping · Total · Sum · Exchange

1. A customer buys a handcrafted rug for £12,450 and a vintage chair for £8,265. What is the total cost of these two items? (2 marks)

2. A local cafe owner buys a giant bag of coffee beans for £25,890 and a new espresso machine for £14,525. Calculate the total sum. (2 marks)

3. Max finds a rare book collection costing £32,715 and a set of antique maps for £9,488. What is the total cost of the collection and maps? (2 marks)

4. If a stallholder sells items worth £45,200 in the morning and £28,950 in the afternoon, what is their total daily income? (2 marks)

5. Explain why it is important to 'regroup' (carry over) when the total in a column is 10 or more. (2 marks)

Draw: Draw a busy market stall scene with Max the monkey standing by a wooden sign that shows the total of two large numbers added together.



Extension challenge: Create your own shopping list of three items that each cost over £10,000. Ask a partner to calculate the total of all three items using column addition.