

Max's Magnificent Market Maths Challenge

Learning objective: To solve multi-step word problems involving addition, subtraction, multiplication, and division within the context of money.

Read each scenario carefully. Use Max the monkey's analytical method: identify the key information, choose the correct operation, and show your working out clearly. Ensure your final answers include the correct currency notation (£).

Max is helping organise the annual Forest Fair. He has a budget of £500 to spend on supplies for the stalls. He buys 12 boxes of craft supplies at £14.50 each and 8 rolls of colourful bunting at £9.75 each. After purchasing these items, he decides to buy a large box of refreshments for the volunteers, which costs £72.40. Max needs to ensure he hasn't exceeded his budget while calculating the exact change remaining for the prize fund.

Word bank: calculate · operation · remainder · total · expenditure · difference · multi-step · estimate

1. Calculate the total cost of the 12 boxes of craft supplies. Show your multiplication method. (2 marks)

2. What is the total expenditure for the craft supplies and the bunting combined? (2 marks)

3. After buying all the items (craft supplies, bunting, and refreshments), how much money remains from the original £500 budget? (3 marks)

4. If Max wanted to buy an additional 5 sets of fairy lights at £12.80 each, would he have enough money left in his budget? Justify your answer with calculations. (3 marks)

5. Explain why it is important for Max to estimate his total expenditure before performing the exact written calculations. (2 marks)

Draw: Draw a bird's-eye view map of Max's market stall, labelling the items he purchased with their prices and calculating the total space they occupy on the table.



Extension challenge: Compare and contrast Max's budgeting strategy with a situation where prices might fluctuate due to inflation. Write a brief paragraph justifying why a contingency fund (extra money set aside) is a vital component of any financial plan.