

Max's Festive Feast and Fête

Learning objective: To apply knowledge of addition, subtraction, multiplication, and money to solve multi-step problems in a festive context.

Help Max the monkey organize the community winter celebration. Show your working out clearly for every calculation. Remember to include the £ symbol and two decimal places for all money answers.

Max is planning a winter party for his forest friends. He has a budget of £50.00 to buy decorations, snacks, and craft supplies.

Word bank: calculate · total · remainder · multiplication · partition · difference · expenditure

1. Max buys 6 boxes of star-shaped cookies. Each box costs £3.45. Calculate the total cost of the cookies. Explain how you partitioned the numbers to help you find the total. (3 marks)

2. The decorative tinsel costs £1.20 per meter. Max needs 8 metres for the hall. If he pays with a £20 note, how much change should he receive? (3 marks)

3. Ellie the elephant wants to bring oranges for everyone. A bag of 12 oranges costs £2.50. How many bags does she need to buy if there are 40 friends attending, and will she have any oranges left over? (3 marks)

4. Compare the cost of buying 5 packs of festive napkins at £1.15 each versus buying a bulk pack of 50 napkins for £5.25. Which is the more economical choice and what is the difference in price? (3 marks)

5. Max decides to sell raffle tickets for 50p each. He sells 85 tickets. How much money has he raised in total? Justify your answer by showing your multiplication strategy. (3 marks)

Draw: Draw a festive scene featuring Max the monkey arranging a table of treats, including labelled price tags for the items he is selling.



Extension challenge: Max has £15.50 remaining in his budget. He wants to buy as many fairy light strings as possible. Each string costs £4.25. What is the maximum number of strings he can buy? Explain why he cannot buy another string and what the 'remainder' of his money could be spent on to improve the party.