Max’s Festive Fundraising Challenge

Learning objective: To solve multi-step problems involving money, percentages, and division in a festive context.

Help Max the monkey calculate the costs and profits for the BookFlik Christmas Fair. Show all your working out clearly.

Max is organising a festive stall to raise money for the local library. He has a budget of £120 to buy decorations and craft supplies. He spends 35% of his budget on colourful ribbons and glitter, and the rest on plain baubles. Max plans to sell 40 handmade star ornaments for £2.50 each. He also has a box of 150 mini-muffins that he bought for £30.00, which he intends to sell at a 50% profit margin. Max is very excited to see how much money he can raise for the books!

Word bank: profit · percentage · expenditure · remainder · budget

1. How much money did Max spend on ribbons and glitter? Show your calculation. (2 marks)

2. Calculate the total amount of money Max will make if he sells all 40 star ornaments. (1 mark)

3. If Max wants to make a 50% profit on the £30.00 he spent on muffins, what should his total revenue be from selling the muffins? (2 marks)

4. After paying back his initial £120.00 budget and the £30.00 for the muffins, how much total profit will Max have raised for the library? (3 marks)

5. Max decides to share the remaining profit equally between 4 different reading clubs. How much will each club receive? (2 marks)

Draw: Draw a festive stall run by Max the monkey, showing his star ornaments priced at £2.50 each and a sign showing the total amount raised.

Extension challenge: Max finds an extra box of items worth £25.00, but he decides to give a 10% discount on these items to his friends. If he sells them at the discounted price, what is the new total value of the items?