

Max's Spooky Shop Maths Challenge

Learning objective: To solve multi-step problems involving addition, subtraction, and multiplication of money to calculate the cost of Halloween party supplies.

Max the monkey is helping his friends organise a Halloween party. Use the blank template below to help Max calculate the costs. You will need to multiply the price of single items by the quantity needed, then add them together to find the total budget.

Word bank: total · product · calculate · budget · expenditure · quantity · pence · pounds

1. Item List: List three items Max needs to buy and their individual price in £. Multiply each by the quantity needed to find the sub-total for each item. (3 marks)

2. Total Expenditure: Add the sub-totals from your list above to find the final total cost of the party supplies. Show your working out clearly. (2 marks)

3. Budget Comparison: If Max started with a budget of £20.00, how much money does he have left over, or how much more does he need to raise? (2 marks)

4. Discount Calculation: If the shop offers a 10% discount on the total cost because Max is buying in bulk, what would the new total be? (2 marks)

5. Problem Solving: If Max decides to share the total cost equally between 4 friends, how much should each friend contribute in £ and pence? (2 marks)

Extension challenge: Max wants to buy party bags that cost £1.25 each. If he has £15.00 remaining after his first shop, how many party bags can he afford to buy in total?