

Spooky Calculations with Max the Monkey

Learning objective: To solve multi-step problems involving addition, subtraction, and multiplication using money in a real-world context.

Max the Monkey is organising a harvest festival feast! Use your mathematical skills to help him calculate the costs and quantities for his spooky-themed party supplies. Show your working out clearly.

Word bank: calculate · total · difference · multiply · remainder · budget · pennies · value

1. Max buys 4 bags of pumpkin seeds at £2.45 each. How much does he spend in total? Show your calculation. (2 marks)

2. Max has a budget of £20.00. He spends £8.75 on decorations and £6.40 on refreshments. How much money does he have remaining from his original budget? (2 marks)

3. If 12 spider-web tablecloths cost £36.00, what is the cost of one individual tablecloth? Explain your method. (3 marks)

4. Compare and contrast: A pack of 5 ghost-shaped balloons costs £1.50. A pack of 10 costs £2.50. Justify why buying the larger pack might be better value for Max's party. (3 marks)

5. What might happen to Max's total expenditure if the price of every item he bought increased by 50p? Calculate the new total if he bought 3 items originally priced at £2.00, £3.50, and £1.50. (3 marks)

Draw: Draw a spread of Max the Monkey's harvest feast table. Include three items with price tags on them, ensuring the prices add up to exactly £10.00.



Extension challenge: Design a 'Spooky Menu' for Max. Create a list of 5 items with prices. Write a short paragraph explaining how you would organise the shopping list to ensure you stay under a strict budget of £15.00 while feeding 10 guests.