

Max's Spooky Shop Maths Challenge

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

Max the monkey is helping set up a local harvest festival stall. Use your maths skills to help him calculate the costs, totals, and change for his customers. Show your working out clearly in the boxes provided.

Word bank: Calculation · Total · Difference · Change · Multiplication · Budget · Pence · Profit

1. Max is selling bags of pumpkin seeds for £1.45 each. If a customer buys 6 bags, what is the total cost? Show your multiplication method. (2 marks)

2. A customer hands Max a £20 note to pay for their items. If the total bill is £13.62, how much change should Max give back? Show your subtraction method. (2 marks)

3. Max has a budget of £50.00 to buy decorative gourds. He buys 12 gourds at £3.20 each. How much money does he have left from his budget? (3 marks)

4. If Max sells 40 ghost-shaped biscuits for 75p each, what is his total revenue from the biscuits? Write your answer in pounds (£). (2 marks)

5. Max wants to offer a 'spooky bundle' deal. If he sells 3 apples for £1.50 and 2 jars of honey for £4.00, what is the total price of the bundle? If he offers a 10% discount on this bundle, what is the new price? (3 marks)

Extension challenge: Create your own 'Halloween Shop' price list with at least four items. Write a word problem that requires your friend to use at least two different operations (e.g., multiplication and subtraction) to solve it.