

Max's Spooky Autumn Market Challenge

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

Max the monkey is helping at the local Autumn Market. He has been given a budget of £20.00 to buy supplies for the BookFlik Halloween party. Use the price list below to solve the following challenges. Show your working out clearly.

Price List: Pumpkin: £3.45 each | Bag of sweets: £1.20 each | Spooky spider decoration: £2.15 each | Glow-in-the-dark stickers: £0.85 per pack | Witch's hat: £4.50 each

Word bank: Budget · Calculate · Difference · Total · Change · Multiplication · Decimal point

1. Max decides to buy two pumpkins and three bags of sweets. Calculate the total cost of these items. (2 marks)

2. If Max pays with a £20.00 note after buying the items in Question 1, how much change should he receive? (2 marks)

3. Max wants to buy five packs of glow-in-the-dark stickers for his friends. Justify why he cannot afford to buy both the five packs of stickers and a witch's hat with the money he has left from Question 2. (3 marks)

4. Compare the cost of one witch's hat with the cost of two spooky spider decorations. Which is more expensive and by how much? (2 marks)

5. Explain why it is important to align the decimal points when adding the prices of the items together. (2 marks)

6. What might happen if Max miscalculated the total cost and gave the shopkeeper £15.00 instead of the correct total for his shopping basket? Explain the consequence. (2 marks)

Draw: Draw a basket containing the items Max bought in Question 1 and label each item with its individual price and the total cost of the basket.



Extension challenge: Imagine the market stall offers a 'Halloween Bundle' discount: buy 3 items or more and get 10% off the total price. Create a new shopping list of at least 4 items, calculate the original total, and then calculate the discounted price. Was the discount worth the extra spending?