

Max's Spooky Harvest Calculations

Learning objective: To solve multi-step problems involving addition, subtraction, and multiplication of money in the context of a harvest festival.

Help Max the monkey organise the spooky harvest supplies! Read the passage carefully, show your working out for every calculation, and remember to include the £ symbol in your final answers.

Max is helping the forest animals prepare for the Autumn Spooky Celebration. He has a budget of £50.00 to buy decorations and treats from the village stall. The stall sells pumpkins for £3.50 each, spider-web bunting for £4.25 per pack, and bags of moon-shaped biscuits for £2.75 each. Max decides to buy 6 pumpkins, 3 packs of bunting, and 4 bags of biscuits. He also finds a special offer: if he spends over £40.00, the stall owner gives him a £5.00 discount on his final total.

Word bank: Calculation · Product · Difference · Total · Budget · Multiple

1. Calculate the total cost of the pumpkins before any discount is applied. Show your working. (2 marks)

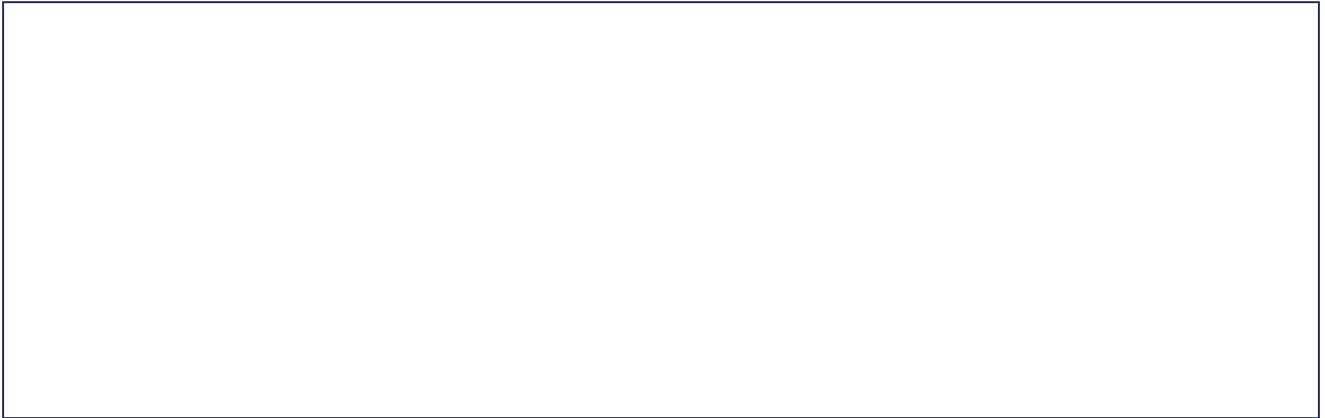
2. What is the combined cost of the bunting and the biscuits? Show your working. (2 marks)

3. Calculate the grand total of Max's shopping basket before the discount. Does Max qualify for the £5.00 discount? Explain your reasoning. (3 marks)

4. After the discount is applied, how much change will Max receive from his £50.00 budget? (3 marks)

5. Max decides he wants to buy an extra pack of bunting. Will he still have enough money left from his original £50.00 budget? Justify your answer. (3 marks)

Draw: Draw a display of Max's harvest items. Label each item with its price and show the total cost of the group of items you have drawn.



Extension challenge: Imagine the price of the pumpkins increases by 50p each due to a late harvest. What might happen to Max's total spend? Write a short paragraph explaining how this would change his budget planning and what he might need to remove from his basket to stay under his £50.00 limit.