

Max's Spooky Calculation Challenge

Learning objective: To solve addition, subtraction, multiplication, and division problems involving money and measures in a seasonal context.

Read the story of Max the monkey's spooky shopping trip. Use your maths skills to help him calculate the totals for his party supplies. Remember to show your working out clearly.

Max the monkey is organising a spooky party for his friends in the forest. He goes to the local market to buy supplies. He sees bags of shiny orange pumpkins for £2.45 each, packs of glow-in-the-dark stars for £1.60, and spooky spider-web decorations for £3.15. Max has a budget of £20.00 to spend on all his decorations. He needs to buy 4 bags of pumpkins and 3 packs of glow-in-the-dark stars to decorate the trees for his friends.

Word bank: total · difference · product · calculate · exchange · estimate · remainder · pence · pounds · operation

1. How much does it cost in total for Max to buy the 4 bags of pumpkins? (2 marks)

2. What is the total cost for the 4 bags of pumpkins and the 3 packs of stars combined? (2 marks)

3. If Max pays with a £20.00 note, how much change will he receive after buying the pumpkins and the stars? (2 marks)

4. Max finds a special offer: 2 packs of spider-web decorations for £5.00. How much would one pack cost if he bought them as part of this deal? (2 marks)

5. Max wants to divide 35 spooky sweets equally between 7 friends. How many sweets will each friend receive? (1 mark)

Draw: Draw a spooky party scene in the forest, including 4 pumpkins and 3 packs of stars, and label them with their prices.



Extension challenge: Max finds a box of 48 glow-in-the-dark spiders. If he shares them equally among 8 friends, how many will be left over if he keeps the remainder for himself? Explain your reasoning.