

Max's Spooky Autumn Maths Challenge

Learning objective: To solve word problems involving money and addition/subtraction in the context of Autumn celebrations.

Read the story below and help Max the monkey calculate the costs for his neighbourhood autumn party. Show your working out clearly.

Max the monkey is organising a friendly autumn party for all his friends in the woodland. He has a budget of £20.00 to spend at the village market. Max buys a large bag of crunchy red apples for £3.45. He also finds some decorative orange pumpkins for £6.20 and a bundle of cinnamon sticks for £2.85. Max is very careful with his money and wants to make sure he has enough left over to buy some owl-friendly treats for Nova.

Word bank: calculate · total · change · pence · pounds · addition · subtraction

1. What is the total cost of the apples, the pumpkins, and the cinnamon sticks? (2 marks)

2. Max started with £20.00. After buying the items, how much money does he have remaining? (2 marks)

3. If Max decides to buy a bag of sunflower seeds for £1.50, how much will his new total spend be? (2 marks)

4. If Max pays for the sunflower seeds with a £2.00 coin, how much change should he receive? (2 marks)

5. Explain how you know you have calculated the correct total for the first question. What method did you use? (3 marks)

Draw: Draw a picture of Max the monkey carrying his bag of autumn treats. Add a pattern of falling leaves around him to show it is autumn.



Extension challenge: Nova the owl wants to buy 3 packets of birdseed that cost £1.25 each. Does Max have enough money left from his original £20.00 to buy these for Nova? Show your calculations.