Max’s Market Stall Challenge

Learning objective: To calculate percentages of amounts in the context of money and solve multi-step problems involving discounts.

Max the monkey is helping at the local produce market. He has decided to offer special discounts on his fruit and vegetable baskets. Use your knowledge of percentages to calculate the sale prices. Remember: to find 10%, divide by 10; to find 5%, find 10% and halve it; to find 20%, find 10% and double it.

Word bank: percentage · discount · reduction · decimal · fraction · equivalent

1. Max has a basket of apples priced at £12.00. He offers a 10% discount. How much money is taken off the price, and what is the new sale price? (2 marks)

2. A crate of juicy pears costs £20.00. Max offers a 25% discount. Show your working to find the final price of the crate. (2 marks)

3. A large bag of carrots is priced at £5.00. Max wants to give a 20% discount. What is the total reduction in pounds and pence? (2 marks)

4. If a punnet of strawberries costs £4.00 and the price is reduced by 5%, what is the new price? Explain your method. (2 marks)

5. Max sells a vegetable box for £40.00. He gives a 50% discount. He then gives an extra 10% off that new price. What is the final price of the box? (2 marks)

Draw: Draw a colourful market stall sign for Max that shows a fruit basket with its original price and a 'Sale!' bubble showing the percentage discount.

Extension challenge: If Max wants to earn exactly £15.00 from a bag of potatoes that normally costs £20.00, what percentage discount should he offer? Show your calculation.