

Max's Mathematical Market Stall

Learning objective: To solve division problems using sharing and grouping, including remainders, within the context of money.

Max the monkey is helping at the local fruit market. Use this record sheet to help him organise his produce into equal groups for his customers. For each task, show your working out by drawing dots or using a number line, then write your final answer in pounds and pence.

Word bank: divide · share · equal groups · remainder · total · left over · calculation

1. The Fruit Bundle Task: Max has £12 to spend on 4 bags of apples. If each bag costs the same, how much does one bag cost? Show your calculation. (2 marks)

2. The Sharing Challenge: Max has £15. He wants to share it equally between his 3 friends. How much will each friend receive? (2 marks)

3. The Remainder Puzzle: Max has £20 to buy bunches of bananas. Each bunch costs £3. How many bunches can he buy, and how much money will be left over? (3 marks)

4. The Grouping Problem: Max has 24 pears. He needs to put them into boxes of 6. How many boxes will he need to fill? (2 marks)

5. Max's Reflection: Explain in your own words why we use division when we are sharing items at the market. (2 marks)

Extension challenge: Imagine Max has £30. Create your own division word problem for a partner to solve using the prices of items you might find at a fruit market.