

Max's Market Division Challenge

Learning objective: To recall and use division facts for the 3, 4, 6, 8, and 12 multiplication tables and solve problems involving division with remainders.

Help Max the monkey organise his market stall. Read each question carefully and show your working out. Remember to include the £ sign for money questions.

Word bank: remainder · quotient · divisor · divide · share · group

1. Max has 48 shiny red apples. He wants to pack them into bags of 4. How many bags will he need to pack all the apples? (2 marks)

2. Max earns £75 selling fruit. He wants to share the money equally between 3 of his friends. How much money will each friend receive? (2 marks)

3. Max has 38 bananas. He puts 6 bananas in each basket. How many full baskets will he have, and how many bananas will be left over (the remainder)? (3 marks)

4. A box of exotic starfruit costs £8. Max has £99. How many full boxes can he buy, and how much money will he have left over? (3 marks)

5. Max divides a number by 8 and the answer is 7 with a remainder of 3. What was the original number? Explain how you found your answer. (3 marks)

Draw: Draw Max the monkey standing next to a pile of 25 melons. Show how he might group them into baskets of 3, and draw the melons that are left over sitting outside the baskets.



Extension challenge: Max has 144 gold coins. He wants to divide them equally into 12 small wooden chests. How many coins will be in each chest? If he then gives half of one chest to Pip the bookworm, how many coins does Pip have?