

Max's Market Stall Division

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.

Read the story about Max the monkey's market stall. Use your knowledge of times tables to solve the division problems. Show your working out clearly.

Max the monkey is running a fruit stall at the forest market. He has been very busy organising his produce. He has 48 shiny red apples to put into bags. If he puts 4 apples in each bag, how many bags will he need? Next, Max has 35 golden bananas. He wants to share these equally among 8 hungry squirrel friends. Finally, Max has 26 juicy pears. He decides to pack them into boxes that hold 6 pears each. He wants to know how many full boxes he can make and how many pears will be left over.

Word bank: dividend · divisor · quotient · remainder · fair share · grouping

1. Max packs 48 apples into bags of 4. How many bags does he need? Show your calculation. (2 marks)

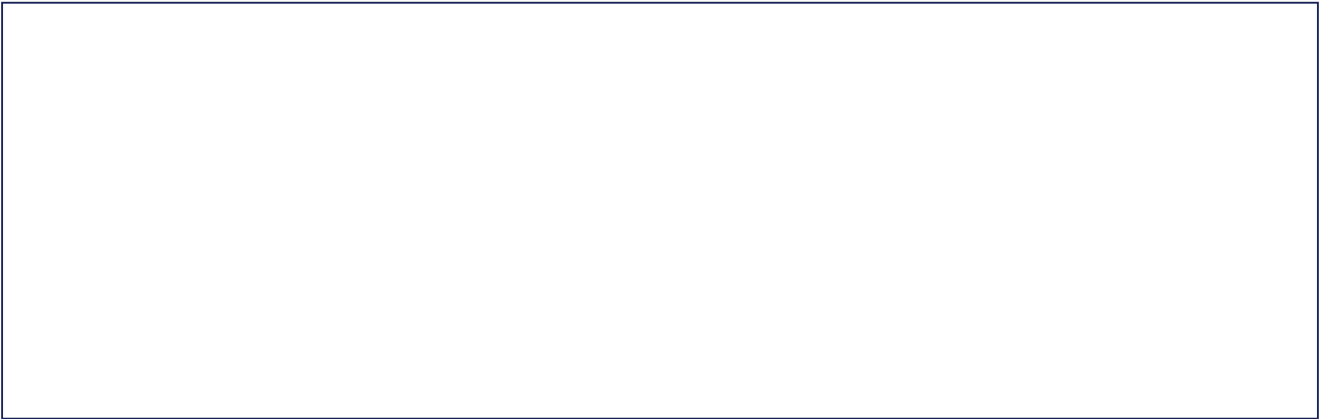
2. If Max shares 35 bananas equally between 8 squirrel friends, how many bananas does each squirrel get and what is the remainder? (2 marks)

3. Max packs 26 pears into boxes of 6. How many full boxes can he fill? How many pears are left over? (2 marks)

4. A customer buys 3 bags of apples at £2 each and 1 box of pears for £5. How much change does the customer get from a £20 note? (3 marks)

5. Explain in your own words why we use a remainder in division. (2 marks)

Draw: Draw 26 pears grouped into boxes of 6, clearly showing the full boxes and the leftover pears outside the boxes.



Extension challenge: Max has 96 forest berries. He wants to divide them into smaller groups. Can you find three different ways he could group them equally without having any berries left over? Write your calculations as division equations.