

Max's Mathematical Market Adventure

Learning objective: To solve multi-step word problems involving addition, subtraction, multiplication, and division in a real-life context.

Read each problem carefully. Use your knowledge of the four operations to solve the puzzles. Show your working out clearly.

Max the monkey is helping his friends at the village community market. He needs your help to manage the stalls and keep the accounts accurate.

Word bank: calculate · operation · remainder · total · difference · product · quotient

1. Pip buys 4 packets of bookmarks. Each packet costs £2.75. If Pip pays with a £20 note, how much change should Max give him? (2 marks)

2. Nova has 144 star-charts to sell. She wants to pack them into envelopes, with 8 charts in each envelope. How many envelopes will she need? (2 marks)

3. Ellie is selling jars of honey. She has 36 jars. If she sells half of them for £3.50 each and the rest for £4.00 each, what is the total amount of money she earns? (3 marks)

4. Zara is selling patterned scarves for £12 each. By the end of the day, she has made £384. How many scarves did she sell? (2 marks)

5. Finn needs 150 kilograms of fish to feed the sea creatures. He already has 68 kilograms. If each crate holds 7 kilograms, how many more full crates does he need to buy to reach his target? (3 marks)

Draw: Draw a picture of Max the monkey standing at a market stall, surrounded by piles of books, jars of honey, and star-charts.



Extension challenge: Create your own word problem for a friend. It must involve at least two different operations (e.g., multiplication and then subtraction) and the answer must be a total in pounds and pence.