

Max's Market Day Maths

Learning objective: To solve multiplication problems using known times tables and mental strategies.

Read the story about Max the monkey's trip to the village market. Use your multiplication skills to solve the maths challenges below. Show your working out clearly.

Max the monkey is helping his friends at the village market today. He loves finding patterns in everything he sees. First, he visits the fruit stall, where he buys 8 punnets of strawberries. Each punnet costs £3. Next, Max spots a craft stall where Zara the zebra is selling hand-painted bookmarks. Zara has 7 baskets, and each basket contains 9 bookmarks. Finally, Max goes to the bakery to buy treats for his friends. He buys 6 boxes of honey cakes, and there are 4 cakes in every box. Max writes down these numbers in his notebook, excited to calculate the totals for everyone.

Word bank: multiply · product · calculate · total · times table · groups of

1. How much did Max spend on the 8 punnets of strawberries if each one costs £3? (2 marks)

2. If Zara has 7 baskets with 9 bookmarks in each, what is the total number of bookmarks? (2 marks)

3. Max bought 6 boxes of honey cakes with 4 cakes in each. How many cakes does he have in total? (2 marks)

4. If Max decides to buy 12 boxes of honey cakes instead, how would you calculate the new total? Explain your method. (3 marks)

5. Max says that 8×3 is the same as 3×8 . Is he correct? Explain why using the word 'commutative'. (2 marks)

Draw: Draw a picture of Max the monkey at the market, showing 7 baskets with 9 bookmarks in each to represent your multiplication sum.



Extension challenge: Max finds a stall selling packets of sunflower seeds. Each packet costs £5. If Max has £50, how many packets can he buy? Can you write a multiplication equation to match this?