

Max's Market Multiplication Challenge

Learning objective: To recall and use multiplication facts for the 3, 4, and 8 multiplication tables.

Read the story below and help Max the monkey solve his market shopping maths. Show your working out clearly.

Max the monkey is visiting the local market to buy fresh fruit for his friends. He notices that items are sold in different sized packs. Max loves a good puzzle, so he writes down his shopping list. He needs to buy 4 punnets of strawberries, and each punnet costs £3. He also finds some tasty mangoes sold in packs of 8, and he decides to buy 3 packs for a picnic. Finally, he sees some shiny apples arranged in a neat grid of 4 rows with 4 apples in each row.

Word bank: multiply · product · groups of · total · array · calculation

1. Max buys 4 punnets of strawberries at £3 each. What is the total cost of the strawberries? Show your calculation. (2 marks)

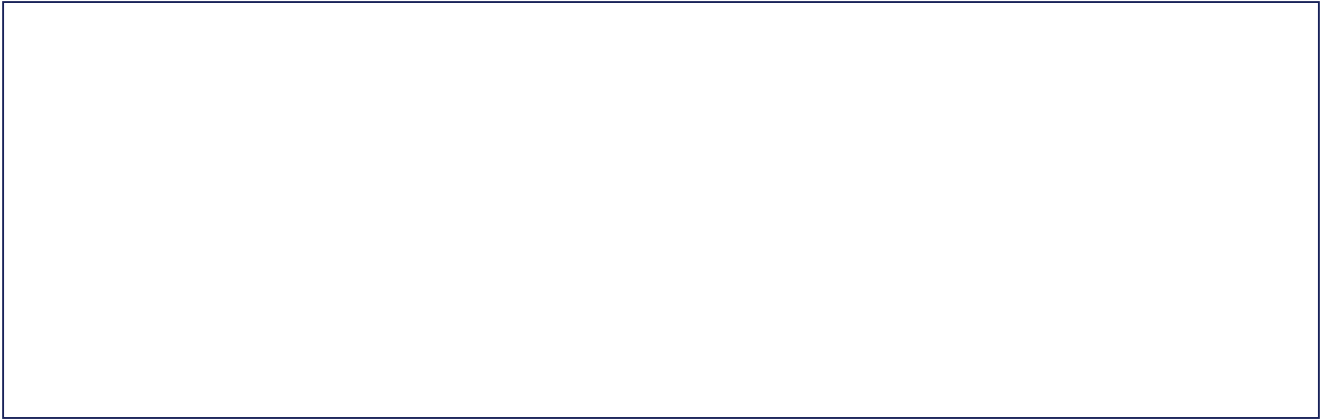
2. If Max buys 3 packs of mangoes, and each pack contains 8 mangoes, how many mangoes does he have in total? (2 marks)

3. The apples are in an array with 4 rows and 4 apples in each row. Write a multiplication sentence to show how many apples there are. (2 marks)

4. Max finds a bag of 24 cherries. If he shares them equally between 3 friends, how many cherries does each friend get? (2 marks)

5. Explain how knowing your 4 times table helps you solve the problem about the apple array. (2 marks)

Draw: Draw the apple array Max found at the market. Show 4 rows with 4 apples in each row.



Extension challenge: Max finds a box of 32 blackberries. He wants to put them into smaller boxes that hold 8 blackberries each. How many small boxes will he need? Write the division sentence to match.