Max’s Market Day Maths

Learning objective: To apply knowledge of times tables (up to 12x12) to solve real-world money problems in a market context.

Read the story about Max the monkey’s day at the market. Use your times tables to help him calculate the total costs and solve the puzzles.

Max the monkey has been put in charge of the stalls at the Forest Market today. He loves using his times tables to make sure all the prices are correct. First, he helps a squirrel buy 6 bags of walnuts. Each bag costs £4. Next, a family of rabbits stops by to buy 8 bunches of carrots, with each bunch costing £3. Max quickly calculates the totals in his head using his 3, 4, and 8 times tables. He then notices a display of shiny apples. There are 9 rows of apples, and each row has 7 apples in it. Max smiles, knowing his 7 times tables will help him count the whole display in seconds. Finally, he sorts out the honey jars for Bea the bee. There are 12 boxes, and each box contains 5 jars of golden honey. Max is having a brilliant time using his maths to keep the market running smoothly!

Word bank: product · total · multiplication · calculation · pence · pounds · equivalent

1. Using your 4 times table, calculate the total cost of the 6 bags of walnuts that cost £4 each. (2 marks)

2. If the rabbits buy 8 bunches of carrots at £3 each, what is the total cost? Show your multiplication calculation. (2 marks)

3. How many apples are there in total if there are 9 rows with 7 apples in each row? (2 marks)

4. Bea the bee has 12 boxes with 5 jars of honey in each. How many jars of honey are there altogether? (2 marks)

5. Max wants to buy a banana that costs £2. If he buys 7 bananas, how much will he spend in total? (2 marks)

Draw: Draw a picture of Max the monkey standing at his market stall with the bags of walnuts and the jars of honey. Label your drawing with the multiplication calculations you used to find the totals.

Extension challenge: Imagine the price of each honey jar increases by £1. How many pounds would the 12 boxes (with 5 jars each) cost now? Explain your method.