

Max's Multiplication Marathon

Learning objective: To recall and use multiplication tables for the 6, 7, 9, 11 and 12 multiplication tables, and solve problems involving scaling and correspondence.

Join Max the monkey as he swings through the jungle! Use your knowledge of times tables to help him solve these puzzles. Write your answers clearly and show your working out where possible.

Answer Key: 1) C (48), 2) True, 3) 77, 4) B (66), 5) False, 6) 84, 7) 12, 8) A (54), 9) 9, 10) 96. Explanation for Q10: $8 \times 12 = 96$. Max needs 96 bananas to share equally.

Word bank: Product · Multiple · Factor · Array · Equation · Scaling · Commutative

1. Max finds 4 bunches of bananas with 12 bananas in each. How many bananas does he have in total? A) 36 B) 44 C) 48* D) 52 (1 mark)

2. True or False: The calculation 7×6 gives the same product as 6×7 . (1 mark)

3. What is the product of 7 and 11? (1 mark)

4. Which of these is a multiple of 6? A) 14 B) 66* C) 58 D) 25 (1 mark)

5. True or False: $9 \times 8 = 74$. (1 mark)

6. If one box of mangoes costs £7, how much would 12 boxes cost? (1 mark)

7. What is the missing number in this sequence: 6, 7, 8, 9, 10, 11, ? (Hint: think about the 12 times table). (1 mark)

8. Max has 6 piles of coconuts with 9 in each. How many coconuts does he have? A) 54* B) 45 C) 63 D) 56 (1 mark)

9. What is 108 divided by 12? (1 mark)

10. Max buys 8 jars of honey for £12 each. What is the total cost? (1 mark)

Draw: Draw an array of 6 rows of 7 star-fruit to help Max visualise the multiplication calculation 6×7 .



Extension challenge: Greater Depth Challenges: 1. Explain why multiplying a number by 12 is the same as multiplying it by 10 and then adding two more of that number. 2. Compare and contrast the 6 times table and the 12 times table—what pattern do you notice? 3. Justify your answer: Is it easier to calculate 7×9 or 9×7 ? Why? 4. What might happen to the product if you double one of the factors in an equation? 5. Create a word problem involving the 11 times table and a price in pounds (£) for a friend to solve. 6. If Max has £100, can he afford to buy 9 bags of nuts costing £12 each? Show your working.