

Max's Magnificent Multiplication Challenge

Learning objective: To recall and use multiplication and division facts for tables up to 12×12 , including applying knowledge to multi-step problems.

Join Max the Monkey on his jungle trek! Use your times tables knowledge to solve these jungle puzzles. Read each question carefully and select the best answer or provide the calculation requested.

Answer Key: 1.C, 2.True, 3.144, 4.B, 5.False, 6.72, 7.D, 8.8, 9.True, 10.12. Reasoning for extension: Ensure pupils demonstrate understanding of the inverse relationship and formal written methods.

Word bank: Product · Multiple · Factor · Calculation · Equation · Inverse

1. Max has 9 crates of bananas, and each crate contains 8 bananas. What is the total product of bananas? A) 64 B) 81 C) 72* D) 56 (1 mark)

2. True or False: 12×11 is the same as 11×12 . (1 mark)

3. What is the square of 12? (1 mark)

4. If a shop sells pencils for 6p each, how much would 7 pencils cost? A) 48p B) 42p* C) 36p D) 54p (1 mark)

5. True or False: $7 \times 8 = 54$. (1 mark)

6. Max finds 6 piles of 12 coconuts. How many coconuts does he have in total? (1 mark)

7. Which of these is a multiple of 9? A) 17 B) 26 C) 34 D) 45* (1 mark)

8. What is $96 \div 12$? (1 mark)

9. True or False: The inverse of $11 \times 4 = 44$ is $44 \div 4 = 11$. (1 mark)

10. Max has 144p. If he buys items costing 12p each, how many items can he buy? (1 mark)

Draw: Draw Max the Monkey standing next to a giant tree, holding a sign that displays the answer to 9×7 . Decorate the tree with groups of fruit that represent the multiplication fact.



Extension challenge: Max challenges you: Explain why knowing your 12 times tables helps you solve problems involving 6 times tables. Justify your answer using mathematical vocabulary. What might happen to the total cost if the price of an item was doubled, but the quantity purchased was halved? Provide an example to support your theory.