

Max's Mathematical Mountain Challenge

Learning objective: To subtract whole numbers with more than four digits, including using formal written methods (column subtraction).

Max the monkey is climbing the Peaks of Precision! Help him solve these subtraction challenges to reach the summit. Use your column subtraction skills to find the difference.

Answer Key: 1. B (12,456), 2. False, 3. 2,567, 4. C (31,999), 5. True, 6. 7,444, 7. A (25,000), 8. 4,321, 9. False, 10. 15,892. (Method: Ensure students have correctly aligned the place value columns and shown their exchanges).

Word bank: difference · column · exchange · subtraction · value · calculate

**1. 1. Max has 25,000 bananas. He gives 12,544 to his friends. How many does he have left?
A) 12,446 B) 12,456* C) 13,456 D) 12,556 (1 mark)**

2. 2. True or False: When subtracting 5,200 from 10,000, you do not need to use any exchanging. (1 mark)

3. 3. Calculate: $8,900 - 6,333 = ?$ (1 mark)

4. 4. What is the difference between 50,000 and 18,001? A) 32,999 B) 31,009 C) 31,999* D) 32,001 (1 mark)

5. 5. True or False: In a subtraction calculation, the 'difference' is the answer. (1 mark)

6. 6. A baker sells a cake for £12.50. If he started with £19.94 in his till, how much is left after the sale? (Answer in numeric form) (1 mark)

7. 7. Which is the correct calculation for $40,000 - 15,000$? A) 25,000* B) 35,000 C) 24,000 D) 26,000 (1 mark)

8. 8. Solve: $9,876 - 5,555 = ?$ (1 mark)

9. 9. True or False: You can solve $500 - 499$ by adding the two numbers together. (1 mark)

10. 10. Max finds 20,000 pebbles. He loses 4,108 on the path. How many pebbles does he have now? (1 mark)

Draw: Draw Max the monkey standing on top of a mountain holding a sign that says 'I love Maths!', with a pile of numbered pebbles at his feet.



Extension challenge: Max wants to buy a new climbing rope that costs £45.60. If he has £100.00, how much change will he receive? Write your calculation as a formal column subtraction.