

Max's Magnificent Math Challenge: Place Value

Learning objective: To read, write, order, and compare numbers up to at least 1,000,000 and determine the value of each digit.

Help Max the monkey solve these place value puzzles! Read each question carefully and write your answer clearly.

Answer Key: 1) C, 2) 7000, 3) True, 4) B, 5) 500,000, 6) False, 7) 345,678, 8) A, 9) 10,000, 10) C. Max says: Great work! You are a place value superstar!

Word bank: digit · value · million · thousand · hundreds · partition · compare

1. 1. Max has the number 456,789. What is the value of the digit 5? A) 5,000 B) 50,000* C) 500,000 D) 500 (1 mark)

2. 2. In the number 27,843, what is the value of the 7? (Write your answer as a number). (1 mark)

3. 3. True or False: $800,000 + 40,000 + 200 + 5$ is equal to 840,205. (1 mark)

4. 4. Which number is the largest? A) 123,456 B) 132,456* C) 123,546 D) 132,465 (1 mark)

5. 5. What is the value of the 5 in 592,001? (1 mark)

6. 6. True or False: When we round 45,678 to the nearest 1,000, the answer is 45,000. (1 mark)

7. 7. Write the number 'three hundred and forty-five thousand, six hundred and seventy-eight' as digits. (1 mark)

8. 8. Max finds £450,200 in his treasure chest. How is this written in words? A) Four hundred and fifty thousand, two hundred* B) Forty-five thousand, two hundred C) Four hundred fifty thousand, two hundred D) Four hundred and five thousand, two hundred (1 mark)

9. 9. How much more is 50,000 than 40,000? (1 mark)

10. 10. Which digit is in the tens of thousands place in 987,654? A) 9 B) 7 C) 8* D) 6 (1 mark)

Draw: Draw Max the monkey standing next to a large treasure chest filled with gold coins, with the number 1,000,000 written on the lid of the chest.



Extension challenge: Max has three digit cards: 4, 9, and 2. What is the largest number and the smallest number you can make using all three digits?