WONDERLEARNERZ PRIMARY ACADEMY â€" OFFICIAL ANSWER KEY & MARKING SCHEME

Large Numbers and Number Names: Worksheet 2 [ANSWER KEY]

Grade 5 | Mathematics | Ch 1: Large Numbers and Number Names | Total Marks: 19 | Time: 45 Minutes

Q1. What is the standard numeral for 'Fifty-four thousand, 240 hundred eight'? [1 Mark]

Correct Answer: 56,408

Explanation: Break down into periods: 54 thousands and 2408 units.

Q2. In the numeral 50,248, what is the place value of the digit in the ten-thousands place?

[1 Mark]

Correct Answer: 50,000

Explanation: The leftmost digit is in the ten-thousands column: 50,000.

Q3. Which of the following represents 76,154 written in expanded notation? [1 Mark]

Correct Answer: 70,000 + 6,000 + 100 + 50 + 4

Explanation: Expanded form decomposes every non-zero digit into its positional value.

Q4. Which number is exactly 1,000 more than 49,248? [1 Mark]

Correct Answer: 50,248

Explanation: Add 1,000 to the thousands place: 50,248.

Q5. At the Science & Discovery Museum, passenger registry recorded 34,450 visitors in May and 43,320 visitors in June. How many total passengers were recorded over both months?

[1 Mark]

Correct Answer: 77,770

Explanation: Add both 5-digit numbers: 34,450 + 43,320 = 77,770 passengers.

Q6. A municipal library archives 62,400 books. During an annual audit, 1,610 damaged volumes were retired. How many cataloged books remain?

[1 Mark]

Correct Answer: 60,790

Explanation: Subtract retired volumes: 62,400 - 1,610 = 60,790 books.

Q7. A state infrastructure grant allocates $89,000 for environmental upgrades at the Science & Discovery Museum. If $49,100 has been spent in phase one, how much remains for phase two?

[1 Mark]

Correct Answer: $39,900

Explanation: Subtract expenditure from allocation: $39,900.

Q8. Find the missing term in this expanded form: 70,000 + [?] + 600 + 40 + 3 = 74,643.

[1 Mark]

Correct Answer: 4,000

Explanation: Subtract known place values from the total to find the missing thousands term: 4,000.

Q9. Fill in the missing numeral: 80,000 + 800 + [?] = 80,890. [1 Mark]

Correct Answer: 90

Explanation: The tens digit 9 represents 90.

Q10. Student Noah writes: 'The numeral for forty-two thousand, six is 42,600.' Identify Noah's mistake and state the correct numeral.

[1 Mark]

Correct Answer: 42,006

Explanation: Noah placed 6 in the hundreds place instead of the ones place. The correct numeral is 42,006.

Q11. A clerk entered 90,054 as 'Nine thousand, fifty-four'. What is the error and what is the correct word name?

[1 Mark]

Correct Answer: Ninety thousand, fifty-four

Explanation: The clerk omitted the ten-thousands period. 90,054 is 'Ninety thousand, fifty-four'.

Q12. Why is 40,502 significantly different from 45,002 even though both contain the exact same digits (4, 5, 0, 0, 2)? Explain using place value. **[2 Marks]**

Correct Answer: The digit 5 represents 500 in 40,502, but represents 5,000 in 45,002. Since 5,000 is 10 times greater than 500, positional place value changes the total quantity.

Explanation: Place value determines the magnitude of a digit by its power-of-10 position.

Q13. Explain step-by-step why commas are inserted every three digits from right to left in numbers like 87,420. **[2 Marks]**

Correct Answer: Commas separate periods (ones, thousands, millions). In 87,420, the comma separates the thousands period (87) from the units period (420), making it readable at a glance.

Explanation: Commas organize digits into 3-digit periods for immediate visual parsing.

Q14. Using each of the digits 8, 3, 0, 5, 2 exactly once, find the difference between the greatest possible 5-digit number and the smallest possible 5-digit number that can be formed. **[2 Marks]**

Correct Answer: 64,953

Explanation: Greatest number: 85,320. Smallest number (cannot begin with 0): 20,358. Difference: 85,320 - 20,358 = 64,953.

Q15. A digital warehouse counter counts in increments of 100. If it starts at 40,500 and counts forward 25 times, what number will the display show? **[2 Marks]**

Correct Answer: 43,000

Explanation: 25 counts of 100 = 2,500. 40,500 + 2,500 = 43,000.