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

Numbers up to 10,000 - Worksheet 5 [ANSWER KEY]

Grade 3 | Mathematics | Ch 4: Numbers up to 10,000 | Total Marks: 19 | Time: 30 Minutes

Q1. What is the standard numeral for: '8 thousands, 1 hundreds, 6 tens, and 4 ones'? [1 Mark]

Correct Answer: 8164

Explanation: 8x1000 + 1x100 + 6x10 + 4 = 8164.

Q2. Write 8164 in correct expanded form: [1 Mark]

Correct Answer: 8000 + 100 + 60 + 4

Explanation: 8164 decomposes into 8000 + 100 + 60 + 4.

Q3. What number is 1,000 more than 4,520? [1 Mark]

Correct Answer: 5,520

Explanation: 4,520 + 1,000 = 5,520 (thousands digit increases by 1).

Q4. Which number has a 7 in the thousands place and a 4 in the tens place? [1 Mark]

Correct Answer: 7,245

Explanation: In 7,245, 7 is in the thousands place and 4 is in the tens place.

Q5. At the Aviation Airport Flights Log, an event organizer logs 8164 attendees. How is this number written in standard words? [1 Mark]

Correct Answer: 8 thousand, 1 hundred and 64

Explanation: Spelled out: 8 thousand, 1 hundred and 64.

Q6. A charity collected 3,000 one-dollar coins on Monday, 400 on Tuesday, and 50 on Wednesday. What is the total dollar amount collected? [1 Mark]

Correct Answer: $3,450

Explanation: $3,000 + $400 + $50 = $3,450.

Q7. A bookstore has 2,400 fiction books and 1,800 non-fiction books. What is the combined total number of books? [1 Mark]

Correct Answer: 4,200 books

Explanation: 2,400 + 1,800 = 4,200 books.

Q8. Find the missing addend in expanded form: 8164 = 8000 + [?] + 60 + 4 [1 Mark]

Correct Answer: 100

Explanation: The hundreds place is 1, which has a value of 100.

Q9. What number is represented by: 5 thousands + 18 tens + 4 ones? [1 Mark]

Correct Answer: 5,184

Explanation: 5,000 + (18 x 10 = 180) + 4 = 5,184.

Q10. A student writes the numeral for 'Eight thousand four' as 804. What is the mistake? [1 Mark]

Correct Answer: The student omitted the zero in the tens place; eight thousand four is a 4-digit number (8,004), while 804 is eight hundred four

Explanation: 8,004 requires zeroes in both the hundreds and tens places.

Q11. Zack writes: '4,520 in expanded form is 4 + 5 + 2 + 0.' Why is this incorrect? [1 Mark]

Correct Answer: Expanded form represents the value of each digit based on its position (4,000 + 500 + 20), not the sum of its single digits

Explanation: Expanded form sums place values: 4,000 + 500 + 20, not single-digit face values.

Q12. Why is the digit 0 essential when writing numbers like 5,023 in the standard base-ten system? [2 Marks]

Correct Answer: Zero acts as a placeholder to keep the 5 in the thousands place; without 0, the number would read 523 (five hundred twenty-three)

Explanation: In a positional numeral system, zeroes maintain correct column positions for all other digits.

Q13. How many hundreds are equal in total value to one thousand (1,000)? **[2 Marks]**

Correct Answer: 10 hundreds

Explanation: 10 x 100 = 1,000. Exactly 10 hundreds equal one thousand.

Q14. Using each of the four digits [7, 2, 9, 4] exactly once, what is the largest **[2 Marks]**
possible 4-digit number you can create?

Correct Answer: 9,742

Explanation: To make the largest number, place the largest digits in the highest place value: 9 in thousands, 7 in hundreds, 4 in tens, 2 in ones = 9,742.

Q15. I am a 4-digit number. My thousands digit is 6. My hundreds digit is half my **[2 Marks]**
thousands digit. My tens digit is 0. My ones digit is 3 more than my tens digit. What number am I?

Correct Answer: 6,303

Explanation: Thousands = 6. Hundreds = 6 / 2 = 3. Tens = 0. Ones = 0 + 3 = 3. The number is 6,303.