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

Place Value and Number Comparison - Worksheet 1 [ANSWER KEY]

Grade 3 | Mathematics | Ch 5: Place Value and Number Comparison | Total Marks: 19 | Time: 30 Minutes

Q1. What is the place value of the digit 7 in the number 7,425? [1 Mark]

Correct Answer: 7,000

Explanation: 7 is in the thousands place, so its place value is 7,000.

Q2. Which symbol correctly completes the comparison: 4500 [?] 4820 [1 Mark]

Correct Answer: <

Explanation: 4500 is less than 4820.

Q3. Which of the following numbers is the LARGEST? [1 Mark]

Correct Answer: 4950

Explanation: 4950 has the greatest value.

Q4. What is the face value of the digit 4 in 6,482? [1 Mark]

Correct Answer: 4

Explanation: The face value of any digit is the digit itself: 4.

Q5. At the Mountain Peak Altitudes, four teams recorded scores: Team A (4500), Team B (4820), Team C (4200), Team D (4950). Which team scored the lowest? [1 Mark]

Correct Answer: Team with 4200

Explanation: The lowest score is 4200.

Q6. Two mountain trails measure 3,850 meters and 3,580 meters. Which trail is longer, and by how many meters? [1 Mark]

Correct Answer: 3,850 m trail is longer by 270 meters

Explanation: 3,850 > 3,580. Difference = 3,850 - 3,580 = 270 meters.

Q7. A car dealership sold 1,425 cars in Year 1, 1,452 cars in Year 2, and 1,245 cars in Year 3. Order the years from greatest sales to least sales: [1 Mark]

Correct Answer: Year 2 (1,452), Year 1 (1,425), Year 3 (1,245)

Explanation: 1,452 > 1,425 > 1,245. Descending order is Year 2, Year 1, Year 3.

Q8. Find the missing digit to make the statement true: 5,6[?]4 > 5,674 [1 Mark]

Correct Answer: 8

Explanation: To make 5,6_4 > 5,674, the tens digit must be strictly greater than 7 (so 8 or 9).

Q9. Complete the inequality: 3,450 < [?] < 3,490 [1 Mark]

Correct Answer: 3,475

Explanation: 3,475 is between 3,450 and 3,490.

Q10. Sam says: 'In the number 6,432, the digit 6 has a face value of 6,000.' What is Sam's mistake? [1 Mark]

Correct Answer: Face value is just 6; 6,000 is its place value

Explanation: Face value is the digit itself (6). Place value accounts for position (6 x 1,000 = 6,000).

Q11. A student compares 4,809 and 4,890 and writes '4,809 > 4,890' because 9 ones is greater than 0 ones. Why is this reasoning flawed? [1 Mark]

Correct Answer: The comparison must check the tens place before the ones place; 9 tens (90) is greater than 0 tens (0)

Explanation: Place value comparison prioritizes higher places: 809 has 0 tens, while 890 has 9 tens.

Q12. Why is any 4-digit number automatically greater than any 3-digit number? **[2 Marks]**

Correct Answer: A 4-digit number has at least 1 thousand (1,000+), while the greatest possible 3-digit number is only 999

Explanation: The minimum 4-digit number is 1,000, which exceeds the maximum 3-digit number (999).

Q13. If you swap the hundreds and tens digits in the number 4,720, how does the value of the number change? **[2 Marks]**

Correct Answer: It becomes 4,270, which is 450 less than the original number

Explanation: Original = 4,720. Swapped = 4,270. Difference = 4,720 - 4,270 = 450 decrease.

Q14. Using digits 5, 0, 8, 3 without repeating any digit, what is the SMALLEST 4-digit number you can form? **[2 Marks]**

Correct Answer: 3,058

Explanation: Zero cannot be the leading thousands digit. Place smallest non-zero digit (3) first, then 0 in hundreds: 3,058.

Q15. I am a 4-digit number between 7,000 and 8,000. All four of my digits are odd and different. The sum of my digits is 16. What number am I? **[2 Marks]**

Correct Answer: 7,135

Explanation: Thousands = 7. Remaining sum = 16 - 7 = 9. Distinct odd digits summing to 9: 1 + 3 + 5 = 9. Possible number is 7,135 (or 7,351, 7,531).