LESSON MAKER PRO

Place Value Power

Compare and order big numbers with confidence.

GRADE 4 · 4.NR.1.3

4.NR.1.3 "Use place value reasoning to represent, compare, and order multi-digit numbers, using >, =, and < symbols to record the results of comparisons."

NAME _____ DATE _____

START AT THE LEFT

To compare multi-digit numbers, line up the digits and start with the greatest place value. If the digits match, move one place to the right until you find digits that are different. The number with the greater digit in that place is greater.

WORKED EXAMPLE

Compare 671,248 and 671,392. Write >, =, or <.

1. Line up the digits by place value.
2. The hundred-thousands, ten-thousands, and thousands digits match: 6, 7, and 1.
3. Compare the hundreds digits: 2 is less than 3.
4. Write the comparison.

Answer: 671,248 < 671,392

PRACTICE 6 problems

1 Write 608,074 in expanded form.

ANSWER _____

2 Write >, =, or < to compare: 58,406 ___ 58,460

ANSWER _____

3 Write >, =, or < to compare: 304,918 ___ 304,918

ANSWER _____

4 Write >, =, or < to compare: 72,050 ___ 71,950

ANSWER _____

5 Order these numbers from least to greatest: 405,090, 450,009, 405,900

ANSWER _____

6 A number has 5 hundred-thousands, 2 ten-thousands, 0 thousands, 8 hundreds, 4 tens, and 9 ones. Write the number in standard form and word form.

ANSWER _____

APPLY IT Show your work

1 In a digital fitness challenge, the Falcon team earned 126,450 points. The Comet team earned 126,405 points. Write a comparison using >, =, or <. Which team earned more points?

WORK SPACE

ANSWER _____

2 Three student-made videos received these numbers of views: Space Quiz, 87,605; Soccer Skills, 87,560; Animal Facts, 86,999. Order the videos from greatest to least number of views.

WORK SPACE

ANSWER _____

CHALLENGE One step up

Use 0, 4, 7, and 9 exactly once in each number. Make the greatest possible four-digit number and the least possible four-digit number. Write a comparison and explain why it is true.

WORK SPACE AND ANSWER

ANSWER KEY

Place Value Power

GRADE 4 · 4.NR.1.3

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	Write 608,074 in expanded form.	**600,000 + 8,000 + 70 + 4**
2	Write >, =, or < to compare: 58,406 ___ 58,460	**58,406 < 58,460**
3	Write >, =, or < to compare: 304,918 ___ 304,918	**304,918 = 304,918**
4	Write >, =, or < to compare: 72,050 ___ 71,950	**72,050 > 71,950**
5	Order these numbers from least to greatest: 405,090, 450,009, 405,900	**405,090, 405,900, 450,009**
6	A number has 5 hundred-thousands, 2 ten-thousands, 0 thousands, 8 hundreds, 4 tens, and 9 ones. Write the number in standard form and word form.	**520,849; five hundred twenty thousand, eight hundred forty-nine**

PART 2 · APPLY IT

1. **126,450 > 126,405; Falcon team** The digits match through the hundreds place. In the tens place, 5 is greater than 0, so the Falcon team earned more points.
2. **Space Quiz, Soccer Skills, Animal Facts** Both Space Quiz and Soccer Skills have 87 thousand views, which is greater than Animal Facts with 86 thousand views. Space Quiz has 605 after 87 thousand, which is greater than 560.

CHALLENGE

9740 > 4079. Both numbers have four digits, and 9 thousands is greater than 4 thousands.

Accept expanded form with terms in a different order if the value is correct. In word form, accept a correctly spelled form with or without a comma after thousand.