LESSON MAKER PRO

Number Showdown

Compare and order numbers by place value

GRADE 4 · 4.N.1.4

4.N.1.4 "Use place value to compare and order whole numbers up to 1,000,000, using comparative language, numbers, and symbols."

NAME _____ DATE _____

COMPARE FROM THE LEFT

Start with the greatest place value and compare digits from left to right. The first place with different digits tells you which number is greater. If every digit matches, the numbers are equal.

WORKED EXAMPLE

Compare 583,426 and 583,462 using <, >, or =.

1. The hundred-thousands, ten-thousands, and thousands digits match.
2. The hundreds digits also match.
3. In the tens place, 2 < 6, so 583,426 < 583,462.

Answer: 583,426 < 583,462

PRACTICE 6 problems

1 Fill in the blank with <, >, or =: 746,218 ___ 746,281

ANSWER _____

2 Fill in the blank with <, >, or =: 905,010 ___ 899,999

ANSWER _____

3 Fill in the blank with <, >, or =: 1,000,000 ___ 999,999

ANSWER _____

4 Fill in the blank with <, >, or =: 600,000 + 20,000 + 4,000 + 90 ___ 624,090

ANSWER _____

5 Order these numbers from least to greatest: 372,405; 372,450; 371,999.

ANSWER _____

6 Compare 67,901 and 67,910 using <, >, or =. Name the place that decides the comparison.

ANSWER _____

APPLY IT Show your work

1 At an arcade, Maya scores 256,390 points and Leo scores 256,309 points. Write a sentence using "fewer than" to compare their scores.

WORK SPACE

ANSWER _____

2 Three student-made videos have 420,506 views, 420,560 views, and 419,990 views. Order the view counts from greatest to least. Which video has the most views?

WORK SPACE

ANSWER _____

CHALLENGE One step up

Use the digits 0, 2, 5, 5, 8, and 9 exactly once to make the greatest six-digit number less than 900,000. Explain why it is the greatest possible number.

WORK SPACE AND ANSWER

ANSWER KEY

Number Showdown

GRADE 4 · 4.N.1.4

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	Fill in the blank with <, >, or =: 746,218 ___ 746,281	**<**
2	Fill in the blank with <, >, or =: 905,010 ___ 899,999	**>**
3	Fill in the blank with <, >, or =: 1,000,000 ___ 999,999	**>**
4	Fill in the blank with <, >, or =: 600,000 + 20,000 + 4,000 + 90 ___ 624,090	**=**
5	Order these numbers from least to greatest: 372,405; 372,450; 371,999.	**371,999; 372,405; 372,450**
6	Compare 67,901 and 67,910 using <, >, or =. Name the place that decides the comparison.	**67,901 < 67,910; tens place**

PART 2 · APPLY IT

1. **Leo scored fewer points than Maya because 256,309 is fewer than 256,390.** The digits match through the hundreds place. In the tens place, Leo's score has 0 and Maya's has 9.
2. **420,560; 420,506; 419,990. The video with 420,560 views has the most.** Compare the hundred-thousands place first. For the two numbers beginning with 420, compare their remaining digits from left to right.

CHALLENGE

895,520. The first digit must be less than 9, so 8 is the greatest possible first digit. Putting the remaining digits in descending order makes the number as large as possible.

Accept equivalent comparison sentences in the word problems. In the challenge, accept any clear explanation that chooses 8 first and orders the remaining digits from greatest to least.