LESSON MAKER PRO

Number Comparison Quest

Compare whole numbers through seven digits.

GRADE 4 · 4.NS.2.a

4.NS.2.a "Compare two whole numbers up to seven digits each, using words (greater than, less than, equal to, not equal to) and/or using symbols (>, <, =, ≠)."

NAME _____ DATE _____

COMPARE PLACE VALUES

Line up the digits by place value and compare from left to right. The first place where the digits differ tells which number is greater. If all digits match, the numbers are equal.

WORKED EXAMPLE

Compare 3,482,071 and 3,481,999. Write a symbol.

1. The millions, hundred-thousands, and ten-thousands digits match.
2. The first difference is in the thousands place: 2 is greater than 1.
3. The first number is greater.

Answer: 3,482,071 > 3,481,999

PRACTICE 6 problems

1 Write a symbol to compare: 58,304 ___ 58,340

ANSWER _____

2 Write greater than, less than, equal to, or not equal to: 706,125 ___ 706,215

ANSWER _____

3 Write a symbol to compare: 1,020,007 ___ 1,020,007

ANSWER _____

4 Write a symbol to compare: 6,400,000 ___ 6,399,999

ANSWER _____

5 Write greater than, less than, equal to, or not equal to: 9,012,456 ___ 8,999,999

ANSWER _____

6 Compare 4,567,890 and 4,576,001. Write a symbol. Then name the first place where the digits differ.

ANSWER _____

APPLY IT Show your work

1 Two school libraries counted books checked out during the summer. Pine Library checked out 2,345,678 books. Oak Library checked out 2,354,678 books. Which library checked out more books? Write a comparison using a symbol.

WORK SPACE

ANSWER _____

2 In a game tournament, Jalen earned 6,700,050 points and Mei earned 6,700,500 points. Who earned more points? Write a comparison using a symbol.

WORK SPACE

ANSWER _____

CHALLENGE One step up

Use the digits 7, 0, 3, 8, 1, 5, and 6 exactly once each to make the greatest seven-digit number and the smallest seven-digit number. Then compare them using a symbol.

WORK SPACE AND ANSWER

ANSWER KEY

Number Comparison Quest

GRADE 4 · 4.NS.2.a

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	Write a symbol to compare: 58,304 ___ 58,340	**58,304 < 58,340**
2	Write greater than, less than, equal to, or not equal to: 706,125 ___ 706,215	**706,125 is less than 706,215**
3	Write a symbol to compare: 1,020,007 ___ 1,020,007	**1,020,007 = 1,020,007**
4	Write a symbol to compare: 6,400,000 ___ 6,399,999	**6,400,000 > 6,399,999**
5	Write greater than, less than, equal to, or not equal to: 9,012,456 ___ 8,999,999	**9,012,456 is greater than 8,999,999**
6	Compare 4,567,890 and 4,576,001. Write a symbol. Then name the first place where the digits differ.	**4,567,890 < 4,576,001; the ten-thousands place**

PART 2 · APPLY IT

1. **Oak Library; 2,345,678 < 2,354,678** Compare the numbers from left to right. The first difference is in the ten-thousands place, where 5 is greater than 4.
2. **Mei; 6,700,050 < 6,700,500** The digits first differ in the hundreds place. Mei has 5 hundreds, while Jalen has 0 hundreds.

CHALLENGE

8,765,310 > 1,035,678

Accept >, <, =, or ≠ when it correctly compares the numbers. For word answers, accept the matching comparison words, including “is greater than” or “is less than.”