

Number Compare Quest

Use place value to compare large whole numbers.

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 ($>$, $<$, $=$, $\neq$)."

NAME _____

DATE _____

COMPARE BY PLACE VALUE

Line up the numbers by place value and compare digits from left to right. The first place where the digits are different tells which number is greater or less. Use $=$ when all digits match and $\neq$ when the numbers do not match.

WORKED EXAMPLE

Compare 3,482,019 and 3,481,992.

1. Both numbers have 3 million.
2. Compare the thousands digits: 2 is greater than 1.
3. The first number is greater.

Answer: 3,482,019 $>$ 3,481,992

PRACTICE 6 problems

1 482,761 ____ 482,716

ANSWER _____

2 1,205,090 ____ 1,250,009

ANSWER _____

3 7,000,000 ____ 6,999,999

ANSWER _____

4 904,321 ____ 904,321

ANSWER _____

5 3,456,789 ____ 3,456,798

ANSWER _____

6 Write a comparison word: 2,040,500 ____ 2,040,050

ANSWER _____

APPLY IT Show your work

1

Two videos were posted for the school talent show. Video A received 345,678 views. Video B received 354,678 views. Which video received more views? Write a comparison sentence using greater than or more than.

WORK SPACE

ANSWER _____

2

Maya earned 1,002,450 points in a game this month. Jalen earned 1,020,405 points. Use a symbol to compare their point totals. Then tell who earned fewer points.

WORK SPACE

ANSWER _____

CHALLENGE One step up

CHALLENGE

A scoreboard lists 5,060,099 points for Team Comet and 5,059,999 points for Team Nova. Write a comparison using a symbol. Explain which place value helped you decide.

PART 1 • PRACTICE

#	PROBLEM	ANSWER
1	482,761 ____ 482,716	482,761 > 482,716
2	1,205,090 ____ 1,250,009	1,205,090 < 1,250,009
3	7,000,000 ____ 6,999,999	7,000,000 > 6,999,999
4	904,321 ____ 904,321	904,321 = 904,321
5	3,456,789 ____ 3,456,798	3,456,789 < 3,456,798
6	Write a comparison word: 2,040,500 ____ 2,040,050	2,040,500 is greater than 2,040,050.

PART 2 • APPLY IT

1. **Video B received more views than Video A.** $354,678 > 345,678$ because the ten-thousands digit, 5, is greater than 4.
2. **1,002,450 < 1,020,405. Maya earned fewer points.** Compare from the left. The ten-thousands digit in 1,002,450 is 0, and the ten-thousands digit in 1,020,405 is 2.

CHALLENGE

5,060,099 > 5,059,999. The ten-thousands digits are the first different digits, and 6 is greater than 5.

Accept correct symbols or correct comparison words when a problem allows either form. For the challenge, accept an explanation that identifies the first different place value and correctly compares its digits.