

Number Compare Quest

Use place value to compare and order numbers to 100,000.

GRADE 3 • TEKS 3.2.D

3.2.D "compare and order whole numbers up to 100,000 and represent comparisons using the symbols $>$, $<$, or $=$."

NAME _____

DATE _____

COMPARE BY PLACE VALUE

Line up the digits by place value. Start at the left and compare the first place that is different. The number with the greater digit in that place is greater.

WORKED EXAMPLE

Compare 58,307 and 58,370. Write $>$, $<$, or $=$.

1. Compare the ten-thousands digits: 5 and 5 are the same.
2. Compare the thousands digits: 8 and 8 are the same.
3. Compare the hundreds digits: 3 and 3 are the same.
4. Compare the tens digits: 0 is less than 7.

Answer: $58,307 < 58,370$

PRACTICE 6 problems

1 Write $>$, $<$, or $=$. 42,615 ____ 42,561

ANSWER _____

2 Write $>$, $<$, or $=$. 9,999 ____ 10,000

ANSWER _____

3 Write $>$, $<$, or $=$. 73,204 ____ 73,204

ANSWER _____

4 Order these numbers from least to greatest:
18,450, 18,405, 18,540

ANSWER _____

5 Write $>$, $<$, or $=$. 100,000 ____ 99,999

ANSWER _____

6 Which number is greater? Write a comparison using $>$ or $<$: 64,090 and 64,900

ANSWER _____

APPLY IT Show your work

- 1** Two game videos were posted online. One video had 36,420 views. The other video had 36,240 views. Which video had more views? Write a comparison using $>$ or $<$.

WORK SPACE

ANSWER _____

- 2** Three students collected points in a reading challenge. Mia collected 27,305 points, Jay collected 27,350 points, and Noor collected 27,035 points. Order the point totals from greatest to least.

WORK SPACE

ANSWER _____

CHALLENGE One step up

Use each digit 4, 0, 8, 2, and 9 exactly once. Make the greatest five-digit number and the least five-digit number. Then write a comparison and explain why the first number is greater.

WORK SPACE AND ANSWER

PART 1 • PRACTICE

#	PROBLEM	ANSWER
1	Write $>$, $<$, or $=$. 42,615 ____ 42,561	42,615 > 42,561
2	Write $>$, $<$, or $=$. 9,999 ____ 10,000	9,999 < 10,000
3	Write $>$, $<$, or $=$. 73,204 ____ 73,204	73,204 = 73,204
4	Order these numbers from least to greatest: 18,450, 18,405, 18,540	18,405 < 18,450 < 18,540
5	Write $>$, $<$, or $=$. 100,000 ____ 99,999	100,000 > 99,999
6	Which number is greater? Write a comparison using $>$ or $<$: 64,090 and 64,900	64,900 > 64,090

PART 2 • APPLY IT

1. **36,420 > 36,240** The ten-thousands and thousands digits match. Compare the hundreds digits: 4 hundreds is greater than 2 hundreds.
2. **27,350 > 27,305 > 27,035** Compare the digits from left to right. All three totals have 27 thousand, so compare the hundreds digits and then the tens digits.

CHALLENGE

98,420 > 20,489. The first number has 9 in the ten-thousands place, and the second number has 2 in the ten-thousands place.

Accept comparison statements written with the numbers in either order if the correct symbol is used. For ordered lists, accept commas instead of comparison symbols when the order is correct.