

Number Lineup

Compare and order big whole numbers.

GRADE 4 • 4.NS.2

4.NS.2 "The student will demonstrate an understanding of the base 10 system to compare and order whole numbers up to seven digits. Compare two whole numbers up to seven digits each, using words (greater than, less than, equal to...)"

NAME _____

DATE _____

COMPARE PLACE BY PLACE

Start at the left and compare digits in the same place. If the digits match, move one place to the right until you find different digits. When you order numbers, use the same comparison steps to place each number.

WORKED EXAMPLE

Compare 4,582,071 and 4,579,999.

1. Both numbers have 4 in the millions place.
2. Both numbers have 5 in the hundred-thousands place.
3. In the ten-thousands place, 8 is greater than 7.
4. Place $>$ between the numbers.

Answer: 4,582,071 $>$ 4,579,999

PRACTICE 6 problems

1 Write $>$, $<$, or $=$. 683,204 ____ 683,240

ANSWER _____

2 Write $>$, $<$, or $=$. 1,905,673 ____ 1,905,673

ANSWER _____

3 Write $>$, $<$, or $=$. 7,000,018 ____ 6,999,999

ANSWER _____

4 Write $=$ or $\neq$. 3,120,450 ____ 3,120,405

ANSWER _____

5 Order from least to greatest: 505,090, 550,009, 500,950, 505,009

ANSWER _____

6 Order from greatest to least: 1,010,101, 1,101,010, 1,011,100, 1,100,101

ANSWER _____

APPLY IT Show your work

- 1** During a school reading challenge, the Tigers read 1,245,308 pages and the Falcons read 1,254,038 pages. Which team read more pages? Write a comparison sentence using a symbol.

WORK SPACE

ANSWER _____

- 2** Four animal livestreams had these numbers of views: Sea Turtles, 875,040; Red Pandas, 807,540; Owls, 870,504; Dolphins, 875,004. Order the livestreams from least to greatest number of views.

WORK SPACE

ANSWER _____

CHALLENGE One step up

CHALLENGE

Order these numbers from least to greatest. Then explain which place values helped you decide:
6,403,020, 6,430,002, 6,403,200, 6,430,020.

PART 1 • PRACTICE

#	PROBLEM	ANSWER
1	Write >, <, or =. 683,204 ____ 683,240	683,204 < 683,240
2	Write >, <, or =. 1,905,673 ____ 1,905,673	1,905,673 = 1,905,673
3	Write >, <, or =. 7,000,018 ____ 6,999,999	7,000,018 > 6,999,999
4	Write = or ≠. 3,120,450 ____ 3,120,405	3,120,450 ≠ 3,120,405
5	Order from least to greatest: 505,090, 550,009, 500,950, 505,009	500,950, 505,009, 505,090, 550,009
6	Order from greatest to least: 1,010,101, 1,101,010, 1,011,100, 1,100,101	1,101,010, 1,100,101, 1,011,100, 1,010,101

PART 2 • APPLY IT

1. **The Falcons read more pages. 1,254,038 > 1,245,308.** Compare from the left. The hundred-thousands digits are 2 and 2, but the ten-thousands digits are 5 and 4, so the Falcons have more.
2. **Red Pandas, Owls, Dolphins, Sea Turtles** Order the view counts as 807,540, 870,504, 875,004, and 875,040. Match each count to its livestream.

CHALLENGE

6,403,020, 6,403,200, 6,430,002, 6,430,020. The ten-thousands digit puts both 6,403,000 numbers before both 6,430,000 numbers. Then the hundreds digit compares 020 and 200, and the tens digit compares 002 and 020.

Accept comparison words in place of matching symbols when the relationship is correct. Accept ordered numbers with or without commas if the order is correct.