LESSON MAKER PRO

Number Lineup

Compare and order numbers through the millions.

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** _____

START AT THE LEFT

Line up the numbers by place value. Starting at the left, compare digits until you find a pair that is different. The number with the greater digit in that place is greater, and numbers with matching digits are equal.

WORKED EXAMPLE

Compare 4,582,193 and 4,579,821. Write <, >, or =.

1. Both numbers have 4 in the millions place.
2. Both numbers have 5 in the hundred-thousands place.
3. Compare the ten-thousands digits: 8 and 7.
4. Since 8 is greater than 7, the first number is greater.

Answer: 4,582,193 > 4,579,821

PRACTICE 6 problems

1 Write <, >, or =. 638,407 ___ 638,470

ANSWER _____

2 Write <, >, or =. 2,901,115 ___ 2,901,115

ANSWER _____

3 Write greater than, less than, or equal to. 7,040,090 ___ 7,400,009

ANSWER _____

4 Order these numbers from least to greatest: 425,801; 425,081; 452,108; 420,581.

ANSWER _____

5 Write <, >, or =. 999,999 ___ 1,000,000. Then name the first place from the left where the numbers differ.

ANSWER _____

6 Order these numbers from greatest to least: 6,305,120; 6,350,102; 6,305,201; 6,350,012.

ANSWER _____

APPLY IT Show your work

1 A video channel tracked views for four new videos. Order the videos from most views to fewest views. Write each video name and its number of views.

VIDEO VIEWS

Video	Views
Sky Builders	3,206,450
Galaxy Racers	3,260,405
Puzzle Quest	3,206,540
Animal World	3,260,045

WORK SPACE

ANSWER _____

2 Four student-made nature videos received these view counts: Comet Crew, 1,908,342; Pixel Pets, 1,890,423; Ocean Explorers, 1,908,324; Code Quest, 1,980,234. Order the videos from least views to greatest views.

WORK SPACE

ANSWER _____

CHALLENGE One step up

Use each digit 4, 0, 7, 2, 9, 1, and 5 exactly once. Make the greatest seven-digit number and the least seven-digit number. Compare them with a symbol, then explain why the first number is greater.

WORK SPACE AND ANSWER

ANSWER KEY

Number Lineup

GRADE 4 · 4.NS.2

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	Write <, >, or =. 638,407 ___ 638,470	**638,407 < 638,470**
2	Write <, >, or =. 2,901,115 ___ 2,901,115	**2,901,115 = 2,901,115**
3	Write greater than, less than, or equal to. 7,040,090 ___ 7,400,009	**less than**
4	Order these numbers from least to greatest: 425,801; 425,081; 452,108; 420,581.	**420,581, 425,081, 425,801, 452,108**
5	Write <, >, or =. 999,999 ___ 1,000,000. Then name the first place from the left where the numbers differ.	**999,999 < 1,000,000; millions place**
6	Order these numbers from greatest to least: 6,305,120; 6,350,102; 6,305,201; 6,350,012.	**6,350,102, 6,350,012, 6,305,201, 6,305,120**

PART 2 · APPLY IT

1. **Galaxy Racers, 3,260,405; Animal World, 3,260,045; Puzzle Quest, 3,206,540; Sky Builders, 3,206,450** Compare the millions, hundred-thousands, and then the next places from left to right. List the view counts in descending order.
2. **Pixel Pets, 1,890,423; Ocean Explorers, 1,908,324; Comet Crew, 1,908,342; Code Quest, 1,980,234** Compare each count from the leftmost digit. The two counts with 1,908,___ are ordered by comparing 324 and 342.

CHALLENGE

9,754,210 > 1,024,579. The millions digit 9 is greater than the millions digit 1.

Accept correctly written comparison words or symbols where requested. For ordered lists, accept commas, arrows, or inequality symbols if the order is correct.