

Million Number Quest

Compare, order, and place big whole numbers.

GRADE 4 • MA.4.NSO.1.3

MA.4.NSO.1.3 "Plot, order and compare multi-digit whole numbers up to 1,000,000."

NAME _____

DATE _____

COMPARE BIG NUMBERS

Line up numbers by place value, starting at the left. The number with the greater digit in the first place that is different is greater. On a number line, greater numbers are farther to the right.

WORKED EXAMPLE

Compare 482,615 and 482,561.
Write $>$, $<$, or $=$.

1. Compare the hundred-thousands digits: 4 and 4.
2. Compare the ten-thousands digits: 8 and 8.
3. Compare the thousands digits: 2 and 2.
4. Compare the hundreds digits: 6 is greater than 5.

Answer: $482,615 > 482,561$

PRACTICE 6 problems

- 1** Write $>$, $<$, or $=$. 468,209 ____ 468,290

ANSWER _____

- 2** Order from least to greatest: 705,041, 750,104, 705,401

ANSWER _____

- 3** A number line is marked at 600,000 and 700,000. Place 647,000 on the number line. Is it closer to 600,000 or 700,000?

ANSWER _____

- 4** What whole number is between 899,999 and 900,001?

ANSWER _____

- 5** Write $>$, $<$, or $=$. 1,000,000 ____ 999,999

ANSWER _____

- 6** A number line goes from 420,000 to 430,000 and has marks every 1,000. What number is at the sixth mark after 420,000?

ANSWER _____

APPLY IT Show your work

- 1** Two school videos were posted online. The animal rescue video had 356,742 views. The skateboard safety video had 365,247 views. Which video had more views?

WORK SPACE

ANSWER _____

- 2** At a gaming event, three teams earned these scores: Comets, 824,190; Meteors, 824,901; Rockets, 824,109. List the teams from lowest score to highest score.

WORK SPACE

ANSWER _____

CHALLENGE One step up

CHALLENGE

Use the digits 0, 2, 4, 7, 8, and 9 exactly once in each number. Make the greatest possible six-digit number and the least possible six-digit number. Then write a comparison sentence using $>$.

PART 1 • PRACTICE

#	PROBLEM	ANSWER
1	Write $>$, $<$, or $=$. 468,209 ____ 468,290	468,209 < 468,290
2	Order from least to greatest: 705,041, 750,104, 705,401	705,041, 705,401, 750,104
3	A number line is marked at 600,000 and 700,000. Place 647,000 on the number line. Is it closer to 600,000 or 700,000?	647,000; closer to 600,000
4	What whole number is between 899,999 and 900,001?	900,000
5	Write $>$, $<$, or $=$. 1,000,000 ____ 999,999	1,000,000 > 999,999
6	A number line goes from 420,000 to 430,000 and has marks every 1,000. What number is at the sixth mark after 420,000?	426,000

PART 2 • APPLY IT

- The skateboard safety video had more views.** Compare the hundred-thousands digits, which are both 3. Compare the ten-thousands digits, and 6 is greater than 5, so 365,247 is greater than 356,742.
- Rockets, Comets, Meteors** All three scores have 824 thousand. Compare the remaining digits: 109, then 190, then 901.

CHALLENGE

987,420 > 204,789

Accept correctly placed points for the number-line items, including a point between the stated benchmark marks. For the challenge, accept only 987,420 as the greatest number and 204,789 as the least number, with the correct comparison.