

# Number Compare Quest

Use place value to choose the correct symbol.

**GRADE 3 • 3.NR.1.2**

**3.NR.1.2** "Use place value reasoning to compare multi-digit numbers up to 10,000, using  $>$ ,  $=$ , and  $<$  symbols to record the results of comparisons."

NAME \_\_\_\_\_

DATE \_\_\_\_\_

## COMPARE BY PLACE

Line up the digits by place value. Start with the thousands place, then move right until you find digits that are different. The number with the greater digit in that place is greater.

## WORKED EXAMPLE

Compare 6,482 and 6,427.

1. Thousands:  $6 = 6$ .
2. Hundreds:  $4 = 4$ .
3. Tens: 8 is greater than 2.
4. Put  $>$  between the numbers.

**Answer:  $6,482 > 6,427$**

## PRACTICE 6 problems

**1** 3,509 \_\_\_\_ 3,590

ANSWER \_\_\_\_\_

**2** 8,071 \_\_\_\_ 7,999

ANSWER \_\_\_\_\_

**3** 4,600 \_\_\_\_ 4,600

ANSWER \_\_\_\_\_

**4** 9,120 \_\_\_\_ 9,201

ANSWER \_\_\_\_\_

**5** 1,999 \_\_\_\_ 1,909

ANSWER \_\_\_\_\_

**6** 5,040 \_\_\_\_ 5,400

ANSWER \_\_\_\_\_

## APPLY IT Show your work

- 1** Maya scored 2,735 points in a video game. Jalen scored 2,753 points. Write a comparison sentence using  $<$ ,  $>$ , or  $=$ .

WORK SPACE

ANSWER \_\_\_\_\_

- 2** The school library has 6,808 comic books. The town library has 6,880 comic books. Write a comparison sentence using  $<$ ,  $>$ , or  $=$ .

WORK SPACE

ANSWER \_\_\_\_\_

## CHALLENGE One step up

### CHALLENGE

Use the digits 8, 2, 0, and 5 one time each. Make the greatest 4-digit number and the least 4-digit number. Then write a comparison sentence using  $<$ ,  $>$ , or  $=$ .

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## PART 1 • PRACTICE

| # | PROBLEM          | ANSWER                  |
|---|------------------|-------------------------|
| 1 | 3,509 ____ 3,590 | <b>3,509 &lt; 3,590</b> |
| 2 | 8,071 ____ 7,999 | <b>8,071 &gt; 7,999</b> |
| 3 | 4,600 ____ 4,600 | <b>4,600 = 4,600</b>    |
| 4 | 9,120 ____ 9,201 | <b>9,120 &lt; 9,201</b> |
| 5 | 1,999 ____ 1,909 | <b>1,999 &gt; 1,909</b> |
| 6 | 5,040 ____ 5,400 | <b>5,040 &lt; 5,400</b> |

## PART 2 • APPLY IT

1. **2,735 < 2,753** The thousands and hundreds digits are the same. In the tens place, 3 is less than 5, so Maya's score is less.
2. **6,808 < 6,880** The thousands and hundreds digits are the same. In the tens place, 0 is less than 8, so the school library has fewer comic books.

## CHALLENGE

**8,520 > 2,058**

Accept correctly written comparison sentences with the numbers and symbol in the correct order. In the challenge, the least number cannot begin with 0.