

# Number Matchup

Compare whole numbers with place value.

**GRADE 3 • 3.NS.2.a**

**3.NS.2.a** "Compare two whole numbers, each 9,999 or less, using symbols ( $>$ ,  $<$ ,  $=$ ,  $\neq$ ) and/or words (greater than, less than, equal to, not equal to), with and without models."

NAME \_\_\_\_\_

DATE \_\_\_\_\_

## COMPARE FROM LEFT TO RIGHT

Look at the digit in the greatest place first. If the digits match, move right to the next place until you find different digits. The number with the larger digit in that place is greater.

## WORKED EXAMPLE

Compare 4,208 and 4,180.

1. The thousands digits are both 4.
2. Compare the hundreds digits: 2 is greater than 1.
3. So the first number is greater.

**Answer: 4,208 > 4,180**

## PRACTICE 6 problems

**1** Write  $>$ ,  $<$ , or  $=$ . 3,456 \_\_\_\_ 3,465

**ANSWER** \_\_\_\_\_

**2** Write  $>$ ,  $<$ , or  $=$ . 907 \_\_\_\_ 890

**ANSWER** \_\_\_\_\_

**3** Write  $>$ ,  $<$ , or  $=$ . 6,120 \_\_\_\_ 6,120

**ANSWER** \_\_\_\_\_

**4** Write  $>$ ,  $<$ , or  $=$ . 9,001 \_\_\_\_ 9,010

**ANSWER** \_\_\_\_\_

**5** Write  $>$ ,  $<$ , or  $=$ . 745 \_\_\_\_ 1,002

**ANSWER** \_\_\_\_\_

**6** Use the place-value information. Number A has 5 thousands, 0 hundreds, 7 tens, and 3 ones. Number B has 5 thousands, 0 hundreds, 6 tens, and 9 ones. Write  $>$ ,  $<$ , or  $=$ . Number A \_\_\_\_ Number B

**ANSWER** \_\_\_\_\_

## APPLY IT Show your work

- 1** At the school book fair, Maya has 1,245 points on her reading chart. Luis has 1,254 points. Whose number is greater? Write a comparison sentence using a symbol.

WORK SPACE

ANSWER \_\_\_\_\_

- 2** Two teams are collecting cans for a food drive. The Tigers collected 3,680 cans, and the Falcons collected 3,680 cans. Compare the numbers using a symbol.

WORK SPACE

ANSWER \_\_\_\_\_

## CHALLENGE One step up

### CHALLENGE

Write exactly two sentences to compare 5,099 and 5,090. Use a comparison symbol in one sentence. In the other sentence, name the place where you found the deciding digits.

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## PART 1 • PRACTICE

| # | PROBLEM                                                                                                                                                                                                | ANSWER                        |
|---|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|
| 1 | Write $>$ , $<$ , or $=$ . 3,456 ____ 3,465                                                                                                                                                            | <b>3,456 &lt; 3,465</b>       |
| 2 | Write $>$ , $<$ , or $=$ . 907 ____ 890                                                                                                                                                                | <b>907 &gt; 890</b>           |
| 3 | Write $>$ , $<$ , or $=$ . 6,120 ____ 6,120                                                                                                                                                            | <b>6,120 = 6,120</b>          |
| 4 | Write $>$ , $<$ , or $=$ . 9,001 ____ 9,010                                                                                                                                                            | <b>9,001 &lt; 9,010</b>       |
| 5 | Write $>$ , $<$ , or $=$ . 745 ____ 1,002                                                                                                                                                              | <b>745 &lt; 1,002</b>         |
| 6 | Use the place-value information. Number A has 5 thousands, 0 hundreds, 7 tens, and 3 ones. Number B has 5 thousands, 0 hundreds, 6 tens, and 9 ones. Write $>$ , $<$ , or $=$ . Number A ____ Number B | <b>Number A &gt; Number B</b> |

## PART 2 • APPLY IT

1. **Luis's number is greater.  $1,245 < 1,254$ .** The thousands and hundreds digits match. In the tens place, 4 is less than 5, so Luis has the greater number.
2.  **$3,680 = 3,680$**  Every digit is the same in both numbers, so the numbers are equal.

## CHALLENGE

**$5,099 > 5,090$ . The ones place has the deciding digits because 9 is greater than 0.**

Accept correctly written comparison words in place of symbols when the relationship is accurate. For unequal numbers, accept  $>$  or  $<$  when written in the correct direction, and accept  $\neq$  only when the prompt asks students to show that numbers are not equal.