LESSON MAKER PRO

Number Order Detectives

Compare and order numbers through 9,999.

GRADE 3 · 3.NS.2

3.NS.2 "The student will demonstrate an understanding of the base 10 system to compare and order whole numbers up to 9,999. Compare two whole numbers, each 9,999 or less, using symbols (>, <, =, ≠) and/or words (greater than, less than, equal to..."

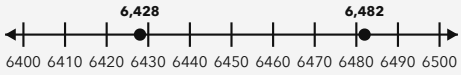
NAME _____ **DATE** _____

COMPARE PLACE BY PLACE

Compare digits from left to right, starting with the thousands place. The first place with different digits tells which number is greater. If all digits match, use =. If the numbers do not match, use ≠.

WORKED EXAMPLE

Use >, <, or = to compare 6,482 and 6,428. Use the number line to help.



1. Both numbers have 6 thousands and 4 hundreds.
2. Compare the tens digits: 8 tens is greater than 2 tens.
3. The number 6,482 is greater than 6,428.

Answer: 6,482 > 6,428

PRACTICE 6 problems

1 Write >, <, or =. 3,507 ___ 3,570

ANSWER _____

2 Write >, <, or =. 8,091 ___ 8,091

ANSWER _____

3 Write = or ≠. 6,315 ___ 6,351

ANSWER _____

4 Write >, <, or =. 5,001 ___ 4,999

ANSWER _____

5 Order these numbers from least to greatest: 2,718, 2,781, 2,708

ANSWER _____

6 Order these numbers from greatest to least: 9,030, 8,999, 9,003

ANSWER _____

APPLY IT Show your work

1 The table shows how many pages three students read during the month. Write the students' names from least pages read to greatest pages read.

PAGES READ THIS MONTH

Student	Pages Read
Maya	1,245
Luis	1,254
Noor	1,205

WORK SPACE

ANSWER _____

2 At an arcade, Jalen scored 7,809 points. Priya scored 7,890 points. Write a comparison sentence using <, >, or =. Then tell who scored more.

WORK SPACE

ANSWER _____

CHALLENGE One step up

Order 7,700, 7,070, and 7,007 from greatest to least. Then write one sentence explaining which place values helped you decide.

WORK SPACE AND ANSWER

ANSWER KEY

Number Order Detectives

GRADE 3 · 3.NS.2

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	Write >, <, or =. 3,507 ___ 3,570	**3,507 < 3,570**
2	Write >, <, or =. 8,091 ___ 8,091	**8,091 = 8,091**
3	Write = or ≠. 6,315 ___ 6,351	**6,315 ≠ 6,351**
4	Write >, <, or =. 5,001 ___ 4,999	**5,001 > 4,999**
5	Order these numbers from least to greatest: 2,718, 2,781, 2,708	**2,708, 2,718, 2,781**
6	Order these numbers from greatest to least: 9,030, 8,999, 9,003	**9,030, 9,003, 8,999**

PART 2 · APPLY IT

1. **Noor, Maya, Luis** Compare the thousands, hundreds, tens, and ones digits in the page totals. Noor read the fewest pages, followed by Maya, then Luis.
2. **7,809 < 7,890. Priya scored more.** Both scores have 7 thousands and 8 hundreds. Priya has 9 tens, which is greater than Jalen's 0 tens.

CHALLENGE

7,700, 7,070, 7,007. All three numbers have 7 thousands, so compare the hundreds digits: 7 hundreds is greater than 0 hundreds, and 7 tens is greater than 0 tens.

Accept correct comparison words in place of symbols when the comparison is clear. For the challenge, accept any accurate explanation that compares the hundreds and tens places.