LESSON MAKER PRO

Numbers in Place

Compare digits and positions on a number line.

GRADE 4 · 4.NOS.A.1.c

4.NOS.A.1.c "Compare two multi-digit numbers by reasoning about the values of the digits and the location of the numbers on a number line. Record the results of comparisons with the symbols >, =, and <."

NAME _____ DATE _____

COMPARE FROM THE LEFT

Start with the greatest place value. The first pair of digits that differs tells which number is greater. On a number line, the number farther right is greater.

WORKED EXAMPLE

Compare A ___ B.



1. A is 34,400. B is 34,800.
2. The ten-thousands and thousands digits match.
3. Compare hundreds: 4 < 8. A is also left of B.

Answer: A < B

PRACTICE 4 problems

1 52,418 ___ 52,481

ANSWER _____

2 70,030 ___ 69,998

ANSWER _____

3 418,200 ___ 418,200

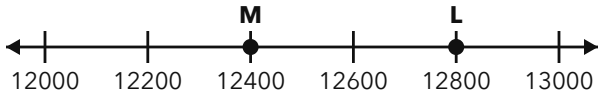
ANSWER _____

4 906,102 ___ 906,120

ANSWER _____

APPLY IT Show your work

1 Mia and Leo counted steps on a hike. M and L mark their totals. Who took more steps? Compare M ___ L.



ANSWER _____

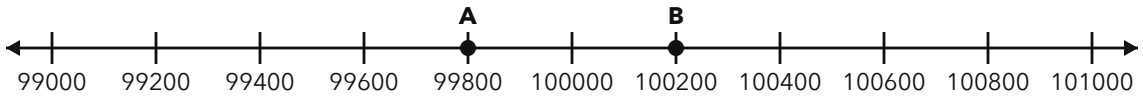
2 Red scored 45,670 points in a game. Blue scored 45,607 points. Which team scored more? Compare their scores.

WORK SPACE

ANSWER _____

CHALLENGE One step up

Compare A ___ B. Explain why comparing only the ten-thousands digits gives the wrong result.



WORK SPACE AND ANSWER

ANSWER KEY

Numbers in Place

GRADE 4 · 4.NOS.A.1.c

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	52,418 ___ 52,481	**52,418 < 52,481**
2	70,030 ___ 69,998	**70,030 > 69,998**
3	418,200 ___ 418,200	**418,200 = 418,200**
4	906,102 ___ 906,120	**906,102 < 906,120**

PART 2 · APPLY IT

1. **Leo; M < L** M marks 12,400 and L marks 12,800. Leo's total is farther right, so it is greater.
2. **Red; 45,670 > 45,607** The digits match through the hundreds place. Red has 7 tens, while Blue has 0 tens.

CHALLENGE

A < B. B has 1 hundred-thousand and A has 0, so B is greater even though its ten-thousands digit is smaller.

Accept comparisons written with the numbers instead of the point labels. For the challenge, accept an explanation that B is to the right of A.