LESSON MAKER PRO

Number Detective

Compare and order numbers to 1,000.

GRADE 2 · 2.N.1.7

2.N.1.7 "Use place value to compare and order whole numbers up to 1,000 using comparative language, numbers, and symbols (e.g., 425 > 276, 73 < 107, page 351 comes after page 350, 753 is between 700 and 800)."

NAME _____ DATE _____

COMPARE BY PLACE

Compare the hundreds digits first. If they match, compare the tens digits, then the ones digits. Use = when both numbers have the same digits in every place.

WORKED EXAMPLE

One box holds 462 crayons. Another holds 468 crayons. Compare the counts using <, >, or =.

1. Both numbers have 4 hundreds.
2. Both numbers have 6 tens.
3. 2 ones is less than 8 ones.

Answer: 462 < 468

PRACTICE 5 problems

1 A toy shop has 237 balls and 273 kites. Compare the counts using <, >, or =.

ANSWER _____

2 One jar has 604 beads. Another has 599 beads. Compare the counts using <, >, or =.

ANSWER _____

3 Two classes each collect 350 cans. Compare their counts using <, >, or =.

ANSWER _____

4 Three toy bins hold 128, 182, and 218 blocks. Write the counts from least to greatest.

ANSWER _____

5 A book has 746 pages. Show that 746 is between 700 and 800 using < signs.

ANSWER _____

APPLY IT Show your work

1 At a school fair, Mia wins 516 tickets and Jo wins 561 tickets. Who wins more? Compare their tickets using < or >.

WORK SPACE

ANSWER _____

2 A game has levels numbered 389, 398, and 381. Which level number is between the other two? Write all three in order from least to greatest.

WORK SPACE

ANSWER _____

CHALLENGE One step up

Three toy bins have labels 707, 770, and 717. Write the labels from least to greatest. Tell how the tens digits helped you.

WORK SPACE AND ANSWER

ANSWER KEY

Number Detective

GRADE 2 · 2.N.1.7

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	A toy shop has 237 balls and 273 kites. Compare the counts using <, >, or =.	**237 < 273**
2	One jar has 604 beads. Another has 599 beads. Compare the counts using <, >, or =.	**604 > 599**
3	Two classes each collect 350 cans. Compare their counts using <, >, or =.	**350 = 350**
4	Three toy bins hold 128, 182, and 218 blocks. Write the counts from least to greatest.	**128, 182, 218**
5	A book has 746 pages. Show that 746 is between 700 and 800 using < signs.	**700 < 746 < 800**

PART 2 · APPLY IT

1. **Jo; 516 < 561** Both counts have 5 hundreds. Jo has 6 tens, which is more than Mia's 1 ten.
2. **389; 381 < 389 < 398** All three numbers have 3 hundreds and 8 or 9 tens. Compare the ones digits of 381 and 389, then place 398 last.

CHALLENGE

707 < 717 < 770. All have 7 hundreds. Their tens digits are 0, 1, and 7, in that order.

Accept words such as "less than" or "greater than" when they match the written comparison. For the challenge, accept any clear explanation that compares the tens digits.