LESSON MAKER PRO

Place Value Detectives

Read, compare, and build numbers to 1,000,000.

GRADE 4 · 4.N.1.1

4.N.1.1 "Read, write, discuss, and represent whole numbers up to 1,000,000. Representations may include numerals, words, pictures, number lines, and manipulatives."

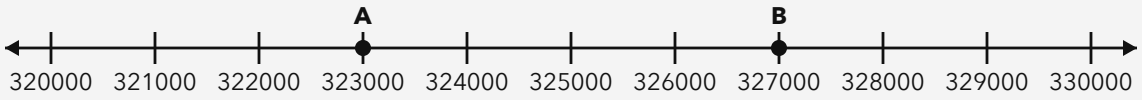
NAME _____ DATE _____

COMPARE BY PLACE

Read digits from left to right when you compare numbers. The first place with different digits tells you which number is greater.

WORKED EXAMPLE

Compare A and B using <, >, or =.



1. A is 323,000. B is 327,000.
2. The first different digits are in the thousands place: 3 and 7.
3. Since 3 < 7, A is less than B.

Answer: 323,000 < 327,000

PRACTICE 4 problems

1 Write 608,040 in expanded form.

ANSWER _____

2 Write six hundred thirty-four thousand eight in numerals.

ANSWER _____

3 Compare 504,090 and 504,900 using <, >, or =.

ANSWER _____

4 Fill in the blank: 715,060 = 700,000 + ___ + 5,000 + 60.

ANSWER _____

APPLY IT Show your work

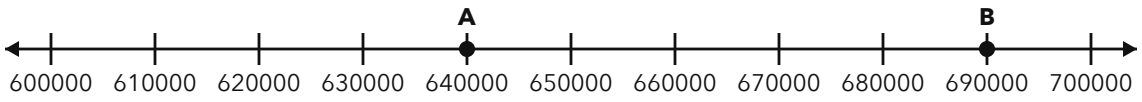
1 Which channel has more views? Name the place that decides.

VIDEO VIEWS

Channel	Views
Build Lab	506,700
Game Lab	506,070

ANSWER _____

2 A reading game shows two team scores, A and B. Write both scores in numerals. Which is greater?



ANSWER _____

CHALLENGE One step up

Use 0, 2, 4, 6, 8, and 9 once each to make the greatest number less than 900,000. Write it in numerals and expanded form.

WORK SPACE AND ANSWER

ANSWER KEY

Place Value Detectives

GRADE 4 · 4.N.1.1

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	Write 608,040 in expanded form.	**600,000 + 8,000 + 40**
2	Write six hundred thirty-four thousand eight in numerals.	**634,008**
3	Compare 504,090 and 504,900 using <, >, or =.	**504,090 < 504,900**
4	Fill in the blank: 715,060 = 700,000 + ___ + 5,000 + 60.	**10,000**

PART 2 · APPLY IT

1. **Build Lab; the hundreds place.** Both counts match through the thousands place. At the hundreds place, Build Lab has 7 and Game Lab has 0.
2. **A = 640,000; B = 690,000. B is greater.** Read each point on the number line. At the ten-thousands place, B has 9 and A has 4.

CHALLENGE

896,420 = 800,000 + 90,000 + 6,000 + 400 + 20

Accept expanded forms that correctly show each nonzero place value.