LESSON MAKER PRO

Number Name Detectives

Turn number words into nine-digit numerals.

GRADE 4 · 4.NS.1.b

4.NS.1.b "Write nine-digit whole numbers in standard form when the numbers are presented orally or in written form."

NAME _____ DATE _____

BUILD THREE GROUPS

A nine-digit number has three groups of digits: millions, thousands, and ones. Write a comma between each group, and use zeros to hold places that have no value.

WORKED EXAMPLE

Write five hundred six million, forty thousand, nine in standard form.

1. Write the millions group: 506.
2. Write the thousands group: 040.
3. Write the ones group: 009.
4. Put the groups together with commas.

Answer: 506,040,009

PRACTICE 6 problems

1 Write two hundred thirty-four million, five hundred six thousand, seventy-eight in standard form.

ANSWER _____

2 Write nine hundred one million, twenty thousand, four hundred twelve in standard form.

ANSWER _____

3 Write four hundred million, seven thousand, thirty in standard form.

ANSWER _____

4 Write six hundred seventy million, three hundred thousand, eight in standard form.

ANSWER _____

5 Write one hundred five million, sixty thousand, nine hundred in standard form.

ANSWER _____

6 Write eight hundred eight million, eight hundred eight thousand, eighty in standard form.

ANSWER _____

APPLY IT Show your work

1 A zoo's panda video received three hundred forty-two million, nine thousand, sixty-five views. Write the number of views in standard form.

WORK SPACE

ANSWER _____

2 A national reading challenge counted seven hundred five million, forty thousand, two hundred reading badges. Write the number of badges in standard form.

WORK SPACE

ANSWER _____

CHALLENGE One step up

A museum counter has 9 in the hundred-millions place, 0 in the ten-millions place, 3 in the millions place, 0 in the hundred-thousands place, 0 in the ten-thousands place, 6 in the thousands place, 0 in the hundreds place, 4 in the tens place, and 2 in the ones place. Write the number in standard form. Then explain why zeros are needed.

WORK SPACE AND ANSWER

ANSWER KEY

Number Name Detectives

GRADE 4 · 4.NS.1.b

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	Write two hundred thirty-four million, five hundred six thousand, seventy-eight in standard form.	**234,506,078**
2	Write nine hundred one million, twenty thousand, four hundred twelve in standard form.	**901,020,412**
3	Write four hundred million, seven thousand, thirty in standard form.	**400,007,030**
4	Write six hundred seventy million, three hundred thousand, eight in standard form.	**670,300,008**
5	Write one hundred five million, sixty thousand, nine hundred in standard form.	**105,060,900**
6	Write eight hundred eight million, eight hundred eight thousand, eighty in standard form.	**808,808,080**

PART 2 · APPLY IT

1. **342,009,065** Make groups for millions, thousands, and ones: 342, 009, and 065. Write 342,009,065.
2. **705,040,200** Make groups for millions, thousands, and ones: 705, 040, and 200. Write 705,040,200.

CHALLENGE

903,006,042.

Require nine digits with commas separating the millions, thousands, and ones groups. Zeros that hold empty place values must be included.