LESSON MAKER PRO

Number Code Switch

Show numbers in three ways.

GRADE 3 · 3.NOS.A.1.a

3.NOS.A.1.a "Read and write whole numbers using base-ten numerals, number names, and expanded form."

NAME _____ DATE _____

THREE WAYS TO SHOW A NUMBER

Each digit's place tells its value. To write expanded form, add the values of the nonzero digits. To write a number name, read the digits before the comma, say "thousand," then read the rest of the number.

WORKED EXAMPLE

Write 42,306 in expanded form and as a number name.

1. The 4 is worth 40,000, and the 2 is worth 2,000.
2. The 3 is worth 300, and the 6 is worth 6.
3. Add the values: 40,000 + 2,000 + 300 + 6.
4. Read the number: forty-two thousand three hundred six.

Answer: 40,000 + 2,000 + 300 + 6; forty-two thousand three hundred six

PRACTICE 6 problems

1 Write 58,214 in expanded form.

ANSWER _____

2 Write seventy-three thousand four hundred nine as a numeral.

ANSWER _____

3 Write 20,000 + 6,000 + 500 + 70 + 1 as a numeral.

ANSWER _____

4 Write 91,080 as a number name.

ANSWER _____

5 Write five hundred six thousand two hundred fourteen as a numeral.

ANSWER _____

6 Write 300,000 + 40,000 + 8,000 + 90 + 2 as a numeral and a number name.

ANSWER _____

APPLY IT Show your work

1 A player scores 35,607 points in a video game. Write the score as a number name and in expanded form.

WORK SPACE

ANSWER _____

2 A school reading challenge records 80,000 + 4,000 + 700 + 5 pages read. Write the total as a numeral and a number name.

WORK SPACE

ANSWER _____

CHALLENGE One step up

A scoreboard shows 407,050. Someone writes its expanded form as 400,000 + 7,000 + 500. Write the correct expanded form and explain the mistake.

WORK SPACE AND ANSWER

ANSWER KEY

Number Code Switch

GRADE 3 · 3.NOS.A.1.a

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	Write 58,214 in expanded form.	**50,000 + 8,000 + 200 + 10 + 4**
2	Write seventy-three thousand four hundred nine as a numeral.	**73,409**
3	Write 20,000 + 6,000 + 500 + 70 + 1 as a numeral.	**26,571**
4	Write 91,080 as a number name.	**ninety-one thousand eighty**
5	Write five hundred six thousand two hundred fourteen as a numeral.	**506,214**
6	Write 300,000 + 40,000 + 8,000 + 90 + 2 as a numeral and a number name.	**348,092; three hundred forty-eight thousand ninety-two**

PART 2 · APPLY IT

1. **thirty-five thousand six hundred seven; 30,000 + 5,000 + 600 + 7** Read 35 as thirty-five thousand, then read 607. Add the values of the nonzero digits to write the expanded form.
2. **84,705; eighty-four thousand seven hundred five** Add the place values to get 84,705. Read the number as eighty-four thousand seven hundred five.

CHALLENGE

400,000 + 7,000 + 50. The 5 is in the tens place, so it is worth 50, not 500.

Accept expanded forms with the nonzero place values in any order. Do not require students to include zero-value terms.