LESSON MAKER PRO

Number Name Quest

Show six-digit numbers in three useful forms.

GRADE 3 · 3.NS.1.a

3.NS.1.a "Read and write six-digit whole numbers in standard form, expanded form, and word form."

NAME _____ DATE _____

PLACE VALUE FORMS

Each digit in a six-digit number has a place value. To write expanded form, add the value of each nonzero digit. To write word form, read the number in groups of thousands.

WORKED EXAMPLE

Write 482,731 in expanded form and word form.

1. The 4 is worth 400,000.
2. Write each nonzero place value: 400,000 + 80,000 + 2,000 + 700 + 30 + 1.
3. Read the number from left to right in two groups: thousands, then ones.

Answer: Expanded form: 400,000 + 80,000 + 2,000 + 700 + 30 + 1; word form: four hundred eighty-two thousand, seven hundred thirty-one

PRACTICE 6 problems

1 Write 305,418 in expanded form and word form.

ANSWER _____

2 Write nine hundred twelve thousand, sixty-four in standard form and expanded form.

ANSWER _____

3 Write 700,000 + 40,000 + 3,000 + 200 + 9 in standard form and word form.

ANSWER _____

4 Write 560,070 in expanded form and word form.

ANSWER _____

5 Write one hundred eight thousand, five hundred six in standard form and expanded form.

ANSWER _____

6 Write 200,000 + 90,000 + 6,000 + 300 + 40 + 2 in standard form and word form.

ANSWER _____

APPLY IT Show your work

1 The scoreboard for a school gaming tournament shows 625,040 points earned by all teams. Write this number in expanded form and word form.

WORK SPACE

ANSWER _____

2 A wildlife livestream had four hundred thirty thousand, nine hundred twelve viewers. Write the number in standard form and expanded form.

WORK SPACE

ANSWER _____

CHALLENGE One step up

Use the digits 2, 0, 5, 0, 9, and 1 exactly once to make the greatest six-digit number. Write your number in standard form, expanded form, and word form.

WORK SPACE AND ANSWER

ANSWER KEY

Number Name Quest

GRADE 3 · 3.NS.1.a

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	Write 305,418 in expanded form and word form.	**Expanded form: 300,000 + 5,000 + 400 + 10 + 8; word form: three hundred five thousand, four hundred eighteen**
2	Write nine hundred twelve thousand, sixty-four in standard form and expanded form.	**Standard form: 912,064; expanded form: 900,000 + 10,000 + 2,000 + 60 + 4**
3	Write 700,000 + 40,000 + 3,000 + 200 + 9 in standard form and word form.	**Standard form: 743,209; word form: seven hundred forty-three thousand, two hundred nine**
4	Write 560,070 in expanded form and word form.	**Expanded form: 500,000 + 60,000 + 70; word form: five hundred sixty thousand, seventy**
5	Write one hundred eight thousand, five hundred six in standard form and expanded form.	**Standard form: 108,506; expanded form: 100,000 + 8,000 + 500 + 6**
6	Write 200,000 + 90,000 + 6,000 + 300 + 40 + 2 in standard form and word form.	**Standard form: 296,342; word form: two hundred ninety-six thousand, three hundred forty-two**

PART 2 · APPLY IT

1. **Expanded form: 600,000 + 20,000 + 5,000 + 40; word form: six hundred twenty-five thousand, forty** Use the value of each nonzero digit. The 0s do not add a value in expanded form.
2. **Standard form: 430,912; expanded form: 400,000 + 30,000 + 900 + 10 + 2** Write the thousands group, 430, followed by the ones group, 912. Then add the value of each nonzero digit.

CHALLENGE

Standard form: 952,100; expanded form: 900,000 + 50,000 + 2,000 + 100; word form: nine hundred fifty-two thousand, one hundred

Accept expanded forms that include zero-value addends, such as + 0, if all other place values are correct. Accept word forms with or without hyphens in compound numbers such as fifty-two.