LESSON MAKER PRO

Number Name Quest

Read, build, and name numbers to 10,000.

GRADE 3 · MA.3.NSO.1.1

MA.3.NSO.1.1 "Read and write numbers from 0 to 10,000 using standard form, expanded form and word form."

NAME _____ DATE _____

SHOW A NUMBER THREE WAYS

A digit's place tells its value. In expanded form, add the value of each nonzero digit. In word form, name the thousands, hundreds, tens, and ones.

WORKED EXAMPLE

Write 6,482 in expanded form and word form.

1. Find the place values: 6,000, 400, 80, and 2.
2. Add the values: 6,000 + 400 + 80 + 2.
3. Write the words: six thousand four hundred eighty-two.

Answer: 6,000 + 400 + 80 + 2; six thousand four hundred eighty-two

PRACTICE 6 problems

1 PRACTICE 1. Write 3,406 in expanded form.

ANSWER _____

2 PRACTICE 2. Write 7,090 in word form.

ANSWER _____

3 PRACTICE 3. Write 5,000 + 80 + 2 in standard form.

ANSWER _____

4 PRACTICE 4. Write nine thousand three hundred fifteen in standard form.

ANSWER _____

5 PRACTICE 5. Write 1,640 in expanded form and word form.

ANSWER _____

_____

6 PRACTICE 6. Write 10,000 in expanded form and word form.

ANSWER _____

_____

APPLY IT Show your work

1 APPLY 1. Your video game score is 4,507 points. Write the score in expanded form and word form.

WORK SPACE

ANSWER _____

2 APPLY 2. A school library has eight thousand sixty books. Write the number of books in standard form and expanded form.

WORK SPACE

ANSWER _____

CHALLENGE One step up

CHALLENGE: A number has 3 thousands, 0 hundreds, 0 tens, and 9 ones. Write it in standard form, expanded form, and word form. Explain why the zeros do not appear in the expanded form.

WORK SPACE AND ANSWER

ANSWER KEY # Number Name Quest

GRADE 3 · MA.3.NSO.1.1

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	PRACTICE 1. Write 3,406 in expanded form.	**3,000 + 400 + 6**
2	PRACTICE 2. Write 7,090 in word form.	**seven thousand ninety**
3	PRACTICE 3. Write 5,000 + 80 + 2 in standard form.	**5,082**
4	PRACTICE 4. Write nine thousand three hundred fifteen in standard form.	**9,315**
5	PRACTICE 5. Write 1,640 in expanded form and word form.	**1,000 + 600 + 40; one thousand six hundred forty**
6	PRACTICE 6. Write 10,000 in expanded form and word form.	**10,000; ten thousand**

PART 2 · APPLY IT

1. **4,000 + 500 + 7; four thousand five hundred seven** The 4 is worth 4,000, the 5 is worth 500, the 0 has no value to add, and the 7 is worth 7.
2. **8,060; 8,000 + 60** Eight thousands make 8,000 and six tens make 60. There are no hundreds or ones to add.

CHALLENGE

3,009; 3,000 + 9; three thousand nine. The zeros have a value of 0, so they do not add anything.

Accept expanded forms that omit zero-value places. Word forms should use no "and" and should hyphenate compound numbers from twenty-one to ninety-nine.