LESSON MAKER PRO

Number Form Switch

Show large whole numbers in three useful forms.

GRADE 4 · MA.4.NSO.1.2

MA.4.NSO.1.2 "Read and write multi-digit whole numbers from 0 to 1,000,000 using standard form, expanded form and word form."

NAME _____ DATE _____

THREE WAYS TO SHOW A NUMBER

Standard form uses digits and commas. Expanded form shows the value of each nonzero digit added together, and word form names the number. Zeros hold places but do not need to be written in expanded form.

WORKED EXAMPLE

Write 508,307 in expanded form and word form.

1. The nonzero digits show 5 hundred-thousands, 8 thousands, 3 hundreds, and 7 ones.
2. Write the place values as an addition sentence: 500,000 + 8,000 + 300 + 7.
3. Write the number in words by naming the thousands period, then the ones period.

Answer: Expanded form: 500,000 + 8,000 + 300 + 7. Word form: five hundred eight thousand, three hundred seven.

PRACTICE 6 problems

1 Write six hundred forty-two thousand, nineteen in standard form.

ANSWER _____

2 Write 305,406 in expanded form.

ANSWER _____

3 Write 720,931 in word form.

ANSWER _____

4 Write one million in standard form and expanded form.

ANSWER _____

5 Write 80,008 in word form.

ANSWER _____

6 Write 456,070 in expanded form and word form.

ANSWER _____

APPLY IT Show your work

1 A nature center counted 275,604 visitors over several years. Write 275,604 in word form and expanded form.

WORK SPACE

ANSWER _____

2 A music app shows nine hundred three thousand, forty song plays. Write this number in standard form and expanded form.

WORK SPACE

ANSWER _____

CHALLENGE One step up

Use the digits 9, 0, 4, 6, 2, 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 Form Switch

GRADE 4 · MA.4.NSO.1.2

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	Write six hundred forty-two thousand, nineteen in standard form.	**642,019**
2	Write 305,406 in expanded form.	**300,000 + 5,000 + 400 + 6**
3	Write 720,931 in word form.	**seven hundred twenty thousand, nine hundred thirty-one**
4	Write one million in standard form and expanded form.	**Standard form: 1,000,000. Expanded form: 1,000,000.**
5	Write 80,008 in word form.	**eighty thousand, eight**
6	Write 456,070 in expanded form and word form.	**Expanded form: 400,000 + 50,000 + 6,000 + 70. Word form: four hundred fifty-six thousand, seventy.**

PART 2 · APPLY IT

1. **Word form: two hundred seventy-five thousand, six hundred four. Expanded form: 200,000 + 70,000 + 5,000 + 600 + 4.** Use each nonzero digit's place value. The zero in the tens place is not included in expanded form.
2. **Standard form: 903,040. Expanded form: 900,000 + 3,000 + 40.** The words name 903 thousands and 40 ones. The zeros hold the ten-thousands, hundreds, and ones places.

CHALLENGE

Standard form: 964,210. Expanded form: 900,000 + 60,000 + 4,000 + 200 + 10. Word form: nine hundred sixty-four thousand, two hundred ten.

Accept equivalent expanded forms that include zero-value addends, such as 0 tens. Accept word forms with or without a comma after the thousands period.