LESSON MAKER PRO

Number Form Quest

Show one number in different ways.

GRADE 4 · 4.NBT.A.7

4.NBT.A.7 "Read and write multi-digit whole numbers using standard form, word form, and expanded form."

NAME _____ DATE _____

THREE WAYS TO WRITE A NUMBER

Standard form uses digits. Word form names the number, and expanded form shows the value of each nonzero digit added together. A zero holds its place in standard form, but you do not need a zero term in expanded form.

WORKED EXAMPLE

Write 482,306 in expanded form and word form.

1. Find the value of each nonzero digit: 400,000, 80,000, 2,000, 300, and 6.
2. Add those values to make the expanded form.
3. Read the number in groups of three digits to make the word form.

Answer: 400,000 + 80,000 + 2,000 + 300 + 6; four hundred eighty-two thousand, three hundred six

PRACTICE 6 problems

1 Write 73,418 in word form.

ANSWER _____

2 Write 506,270 in expanded form.

ANSWER _____

3 Write eight hundred nine thousand, forty-two in standard form.

ANSWER _____

4 Write 600,000 + 30,000 + 5,000 + 90 + 1 in word form.

ANSWER _____

5 Write two hundred four thousand, seven hundred eight in expanded form.

ANSWER _____

6 Write 900,000 + 2,000 + 60 + 4 in standard form.

ANSWER _____

APPLY IT Show your work

1 Your team earns 146,305 points in a video game. Write the score in word form and expanded form.

WORK SPACE

ANSWER _____

2 A school reading challenge records three hundred seventy-two thousand, forty pages read. Write the total in standard form and expanded form.

WORK SPACE

ANSWER _____

CHALLENGE One step up

A game scoreboard shows 750,080 points. A teammate writes its expanded form as 700,000 + 50,000 + 800. Is that correct? Write the correct expanded form and explain the teammate's mistake.

WORK SPACE AND ANSWER

ANSWER KEY

Number Form Quest

GRADE 4 · 4.NBT.A.7

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	Write 73,418 in word form.	**seventy-three thousand, four hundred eighteen**
2	Write 506,270 in expanded form.	**500,000 + 6,000 + 200 + 70**
3	Write eight hundred nine thousand, forty-two in standard form.	**809,042**
4	Write 600,000 + 30,000 + 5,000 + 90 + 1 in word form.	**six hundred thirty-five thousand, ninety-one**
5	Write two hundred four thousand, seven hundred eight in expanded form.	**200,000 + 4,000 + 700 + 8**
6	Write 900,000 + 2,000 + 60 + 4 in standard form.	**902,064**

PART 2 · APPLY IT

1. **one hundred forty-six thousand, three hundred five; 100,000 + 40,000 + 6,000 + 300 + 5** Read 146 as the thousands group and 305 as the ones group. Then add the values of the nonzero digits.
2. **372,040; 300,000 + 70,000 + 2,000 + 40** Write 372 in the thousands group and 040 in the ones group. Add the values of the nonzero digits for expanded form.

CHALLENGE

No. The correct expanded form is 700,000 + 50,000 + 80. The teammate wrote 800 for the 8, but the 8 is in the tens place.

Accept expanded forms with terms in a different order. Commas and hyphens in word form may vary if the number words and place values are correct.