LESSON MAKER PRO

Number Place Power

Read and write whole numbers through 10,000.

GRADE 3 · 3.NR.1.1

3.NR.1.1 "Read and write multi-digit whole numbers up to 10,000 to the thousands using base-ten numerals and expanded form."

NAME _____ DATE _____

BUILD NUMBERS BY PLACE

Each digit in a whole number has a place value. Read the number from left to right, and write expanded form by adding the value of each nonzero digit.

WORKED EXAMPLE

Write 6,407 in expanded form.

1. The 6 is worth 6,000.
2. The 4 is worth 400.
3. The 0 tens add no value.
4. The 7 is worth 7.

Answer: 6,000 + 400 + 7

PRACTICE 6 problems

1 Write 3,582 in expanded form.

ANSWER _____

2 Write this number in base-ten numerals: 8,000 + 600 + 20 + 9.

ANSWER _____

3 Write this number in base-ten numerals: four thousand, seventy-six.

ANSWER _____

4 Write 9,105 in expanded form.

ANSWER _____

5 Write this number in base-ten numerals: seven thousand, three hundred forty.

ANSWER _____

6 Write this number in base-ten numerals: 5,000 + 80 + 2.

ANSWER _____

APPLY IT Show your work

1 The school book fair sold two thousand, six hundred eighteen books over several years. Write the number of books in base-ten numerals and expanded form.

WORK SPACE

ANSWER _____

2 A nature club counted 7,054 butterflies during its spring project. Write 7,054 in expanded form. Then write the number in words.

WORK SPACE

ANSWER _____

CHALLENGE One step up

A game score has 4 thousands, 0 hundreds, 7 tens, and 3 ones. Write the score in base-ten numerals and expanded form. Explain why there is no hundreds addend.

WORK SPACE AND ANSWER

ANSWER KEY

Number Place Power

GRADE 3 · 3.NR.1.1

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	Write 3,582 in expanded form.	**3,000 + 500 + 80 + 2**
2	Write this number in base-ten numerals: 8,000 + 600 + 20 + 9.	**8,629**
3	Write this number in base-ten numerals: four thousand, seventy-six.	**4,076**
4	Write 9,105 in expanded form.	**9,000 + 100 + 5**
5	Write this number in base-ten numerals: seven thousand, three hundred forty.	**7,340**
6	Write this number in base-ten numerals: 5,000 + 80 + 2.	**5,082**

PART 2 · APPLY IT

1. **2,618; 2,000 + 600 + 10 + 8** Write 2,618 for the number named in words. Add the value of each digit to write 2,000 + 600 + 10 + 8.
2. **7,000 + 50 + 4; seven thousand, fifty-four** The digits show 7 thousands, 0 hundreds, 5 tens, and 4 ones. Omit the zero-value hundreds addend in expanded form.

CHALLENGE

4,073; 4,000 + 70 + 3; There is no hundreds addend because the hundreds digit is 0, so it has a value of 0.

Accept expanded forms that include a zero-value addend, such as 9,000 + 100 + 0 + 5. Accept commas or no commas in correctly written base-ten numerals.