

## EXPANDING NUMBERS

### What Are Expanding Numbers?

- An expanding number is taking a larger number apart and showing each number's total value.

### How to Expand Numbers:

- Think of the place value of each digit in a number.
- Take each digit out of the number and add the appropriate number of zeros after it so that it keeps its value.

For example: 3,184

- ✓ The number three is in the thousands place. If the three is behind it.



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- ✓ The number 1 is in the hundreds place, it turns into 100.
- ✓ The number 8 will become 80 since it is in the tens place.
- ✓ The number 4 will stay the same since it is in the ones place.
- ✓ Therefore, the number 3,184 in expanded form is  $3,000 + 100 + 80 + 4$ .

## Try This!

Write the following numbers in their expanded form on the line.

4,297 \_\_\_\_\_

8,326 \_\_\_\_\_

5,462 \_\_\_\_\_

Write the following numbers in proper form.

8,000 + 200 + 30 + 1 \_\_\_\_\_

2,000 + 500

6,000 + 900



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