

Name \_\_\_\_\_

## Place Value Through Millions

**Essential Question** How can you read, write, and represent whole numbers through millions?

### UNLOCK the Problem REAL WORLD

The population of Idaho is about 1,550,000. Write 1,550,000 in standard form, word form, and expanded form.

You know how to read and write numbers through hundred thousands. The place-value chart can be expanded to help you read and write greater numbers, like 1,550,000.

One million is 1,000 thousands and is written as 1,000,000. The millions period is to the left of the thousands period on a place-value chart.

- What is the value of the ten thousands place?

\_\_\_\_\_

PERIODS								
MILLIONS			THOUSANDS			ONES		
Hundreds	Tens	Ones	Hundreds	Tens	Ones	Hundreds	Tens	Ones
		1,	5	5	0,	0	0	0
		$1 \times 1,000,000$	$5 \times 100,000$	$5 \times 10,000$	$0 \times 1,000$	$0 \times 100$	$0 \times 10$	$0 \times 1$
		1,000,000	500,000	50,000	0	0	0	0

The place value of the 1 in 1,550,000 is millions.

**Standard form:** 1,550,000

**Word Form:** One million, five hundred fifty thousand

**Expanded Form:**  $1,000,000 + 500,000 + 50,000$

**Math Talk** Explain how 8,000,000 is different than 800,000.

**Try This!** Use place value to read and write the number.

**Standard Form:** \_\_\_\_\_

**Word Form:** Sixty-two million, eighty thousand, one hundred twenty-six

**Expanded Form:**  $60,000,000 +$  \_\_\_\_\_  $+$

$80,000 +$  \_\_\_\_\_  $+ 20 + 6$

## Share and Show



1. Write the number 3,298,076 in word form and expanded form.

**Word Form:** \_\_\_\_\_  
\_\_\_\_\_

**Expanded Form:** \_\_\_\_\_

Read and write the number in two other forms.

2. fifty million, three thousand, eighty-seven

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

3.  $60,000,000 + 400,000 + 200 + 30 + 9$

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

## On Your Own

Read and write the number in two other forms.

4.  $70,000,000 + 8,000,000 + 20,000 + 8$

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

5. twenty million, eleven thousand, twelve

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Write the value of the underlined digit.

6. 3,356,000

\_\_\_\_\_

7. 45,687,909

\_\_\_\_\_

8. 70,000,044

\_\_\_\_\_

9. 30,051,218

\_\_\_\_\_

## Problem Solving



10. According to one organization, there are about 93,600,000 pet cats and about 77,500,000 pet dogs in the U.S. Are there more pet cats or pet dogs? **Explain** how you know.

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_