


Name _____

Place-Value Match

Match the standard form of the number given in Column A with either the word form or the expanded form of the number in Column B.

	Column A	Column B
1.	900,000	thirty million
2.	8,000,000	$5 \times 1,000,000$
3.	30,000,000	six hundred million
4.	2,000,000	eight hundred thousand
5.	100,000	$9 \times 100,000$
6.	5,000,000	three million
7.	60,000,000	sixty million
8.	7,000,000	$2 \times 1,000,000$
9.	800,000	$5 \times 10,000,000$
10.	300,000	$3 \times 100,000$
11.	1,000,000	seven million
12.	50,000,000	one hundred thousand
13.	600,000,000	one million
14.	3,000,000	eight million

15.  **Write Math** Explain the method you used to match the standard form of a number to either its word form or its expanded form.

Name _____

Place Value of Whole Numbers

You can use a place-value chart to help you understand whole numbers and the value of each digit. A **period** is a group of three digits within a number separated by a comma.

Millions Period			Thousands Period			Ones Period		
Hundreds	Tens	Ones	Hundreds	Tens	Ones	Hundreds	Tens	Ones
		2,	3	6	7,	0	8	9

Standard form: 2,367,089

Expanded Form: Multiply each digit by its place value, and then write an addition expression.

$$(2 \times 1,000,000) + (3 \times 100,000) + (6 \times 10,000) + (7 \times 1,000) + (8 \times 10) + (9 \times 1)$$

Word Form: Write the number in words. Notice that the millions and the thousands periods are followed by the period name and a comma.

two million, three hundred sixty-seven thousand, eighty-nine

To find the value of an underlined digit, multiply the digit by its place value. In 2,367,089, the value of 2 is $2 \times 1,000,000$, or 2,000,000.

Write the value of the underlined digit.

1. 153,732,991

2. 236,143,802

3. 264,807

4. 78,209,146

Write the number in two other forms.

5. 701,245

6. 40,023,032
