

## Place Value Through the Millions

Millions Period			Thousands Period			Ones Period		
Hundreds	Tens	Ones	Hundreds	Tens	Ones	Hundreds	Tens	Ones
	9	1	4	0	2	6	0	0

The digits in large numbers are in groups of three places. The groups are called periods. Commas are usually used to separate the periods.

Write: 91,402,600

Example: What is the value of the digit 4 in 91,402,600?

Answer: the digit 4 is in the hundred thousands place. Its value is 4 hundred thousand or 400,000.

## Reading Large Numbers

Reading large numbers is easier than it looks. You only need to know

- How to read 3-digit numbers, and
- The names of the periods.

### Math Vocabulary to Know:

**Standard Form:** The usual way of writing a number that shows only its digits, no words. EX: 24,678

**Expanded Form:** The representation of a number as a sum that shows only the value of each digit. EX:  $105,073 = 100,000 + 5,000 + 70 + 3$

**Word Form:** The form of a number that uses written words.

EX:

16,499 = sixteen thousand, four hundred ninety-nine.

*Notice that commas are placed as they would be in a standard form number and two-digit numbers are hyphenated. Students should not use the word "and" when reciting numbers.*

## Reading Large Numbers Homework

Practice with your child several times this week. Return this form on Friday.

Our numbers are divided into 3-digit groups called *periods*. The periods are separated by commas. Each comma has its own name: *thousand, million, billion, etc.* If you can read a 3-digit number, and you know the comma names, you can read ANY number! **Remember, do not use the word AND in any numbers!**

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Example: What is the value of the digit 4 in 91,402,600?

Answer: the digit 4 is in the hundred thousands place. Its value is 4 hundred thousand or 400,000.

### Reading Large Numbers

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- The names of the periods.

Example: How do you read 2,469,600?

1. Start at the left. Read the first comma. Say the name of the period. →two million
2. Read to the 2nd comma. Say the name of the next period. →four hundred sixty-nine thousand.
3. Read the three-digit number in the ones period. →six hundred

- You don't say the name of the ones period.

Answer: Say: two million, four hundred sixty-nine thousand, six hundred.

Have your child practice reading the numbers on the back of this sheet. Feel free to add larger numbers if you like. For extra practice ask them what the value of individual numbers are.

Example: 45, 793, 046--what is the **value** of the 9? 90,000

What is the **place value** of the 9? *Ten thousands place*

Please work with your child and complete the worksheet on the other side, sign and return on Monday, September 24<sup>th</sup>. Thank you!

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Parent Signature

Student Name: \_\_\_\_\_

Remember, don't say "and"

1. 4, 308
2. 19,038
3. 59, 727
4. 603, 115
5. 880, 002
6. 32, 072
7. 2, 395,918
8. 6, 034, 254
9. 73, 404, 003
10. 34, 003
11. 293, 032
12. 943,005, 924
13. 99, 361, 058
14. 802, 045, 132
15. 72, 004, 008

Practice saying the **place value** and **value** of the underlined numbers in the first column.

On this side write down the other numbers you read & practiced.

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