

Place Value Study Guide 1

Quiz 1

Vocabulary Words:

Place Value	the value given to the place a digit has in a number
Digits	The symbols used to show numbers: 0, 1, 2, 3, 4, 5, 6, 7, 8, 9
Expanded Form	a way to write numbers that shows the value of each digit
Word Form	the form of a number that is written using words
Standard Form	a way to write a number using only digits

Example:

1,345,876

- **The number 1,345,876 has 7 digits. They are 1, 3, 4, 5, 8, 7, and 6.**
- **The digit 1 is in millions place and has a value of 1,000,000.**
- **The digit 3 is in the hundred thousands place and has a value of 300,000.**
- **The digit 4 is in the ten thousands place and has a value of 40,000.**
- **The digit 5 is in the thousands place and has a value of 5,000.**
- **The digit 8 is in the hundreds place and has a value of 800.**
- **The digit 7 is in the tens place and has a value of 70.**
- **The digit 6 is in the ones place and has a value of 6.**

• **Standard Form: 1,345,876**

(Hint: You only write the digits.)

• **Expanded Form: 1,000,000 + 300,000 + 40,000 + 5,000 + 800 + 70 + 6**

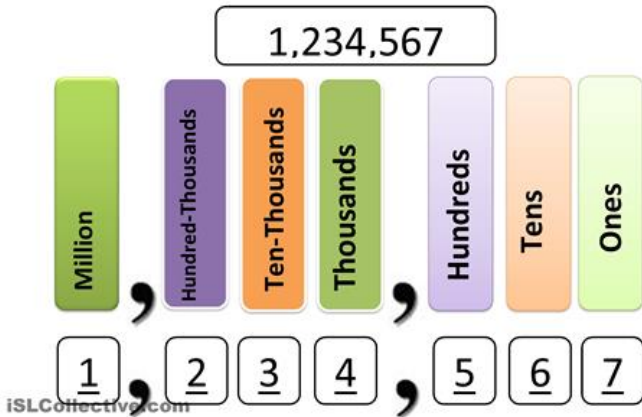
(Hint: When writing in expanded form, write the value of each digit and remember the plus sign +)

• **Word Form: one million, three hundred forty-five thousand, eight hundred seventy-six**

(Hint: When writing in word form, only write the words you say when you read the number in standard form. You always put a **comma** after the words **millions** and **thousands**)

MILLIONS			THOUSANDS			ONES		
hundred millions	ten millions	millions	hundred thousands	ten thousands	thousands	hundreds	tens	ones
		9	8	8	6	7	0	5
4	3	7	0	6	2	1	8	5
	7	3	6	5	5	2	1	1

Place Value



Practice

You should be able to read and write numbers in standard form, expanded form and word form.

Write each number in standard form.

- three million, four hundred eighty-two
 - four thousand, twenty-eight
 - six hundred twelve thousand, three hundred eleven
 - one thousand, four
 - five million, four hundred thirty-three thousand, seven hundred three
 - $3,000,000 + 400,000 + 70,000 + 1$
 - $50,000 + 6,000 + 300 + 5$
- _____
 - _____
 - _____
 - _____
 - _____
 - _____
 - _____

Write each number in standard form, continued.

8. $8,000,000 + 5,000 + 7$

8. _____

9. $70,000 + 4,000 + 900 + 30$

9. _____

10. $6,000 + 6$

10. _____

Write each number in expanded form.

You should be able to identify the place and the value of a digit.

1. 6,035,498 _____

2. 87,003 _____

3. 512,932 _____

Write each number in word form.

1. 9,235,078 _____

2. 7,038,325 _____

3. 4,104 _____

Write the value of the underlined digit.

1. 5,677,789 _____

2. 4,024 _____

3. 5,001,987 _____

4. 9,425,321 _____

Tell which form each number is written.
Standard Form, Word Form, Expanded Form

1. 4,523,872 _____
2. $6,000 + 500 + 30 + 7$ _____
3. 5,000,873 _____
4. five thousand, three hundred two _____
5. $7,000 + 30$ _____

Write the PLACE of the underlined digit.

1. 678,987 _____
2. 567,872 _____