

3rd Grade

Place Value II

By Monica Yuskaitis

California Standard Addressed

Number
Sense



Third
Grade

1.1 Count, read, and write
whole numbers to 10,000.

California Standard Addressed

Number
Sense



Third
Grade

1.3 Identify the place value for each digit in numbers to 10,000

California Standard Addressed

Number
Sense



Third
Grade

1.5 Use expanded notation to
represent numbers.

Objectives

- Know how to write a number in word form
- Know how to write a number in standard form
- Know how to write a number in expanded form

Vocabulary Review

- Digits – numbers 0, 1, 2, 3, 4, 5, 6, 7, 8, 9
- Place value – tells you how much each digit stands for
- Periods – A group of 3 places used for the digits in large numbers. Periods are usually separated by commas.

Vocabulary

- Standard form – A number written with one digit for each place value.

123,789

- Word form – A number written in words.
One hundred twenty-three thousand,
seven hundred eighty-nine

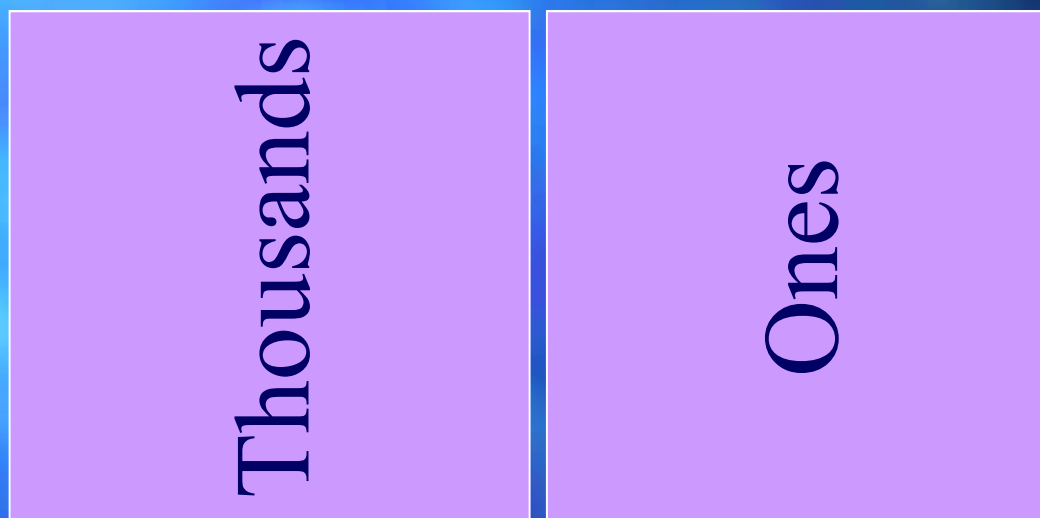
Vocabulary

- Expanded form – A way to write numbers that shows the place value of each digit.

$$100,000 + 20,000 + 3,000 + 700 + 9 = 123,709$$

Review

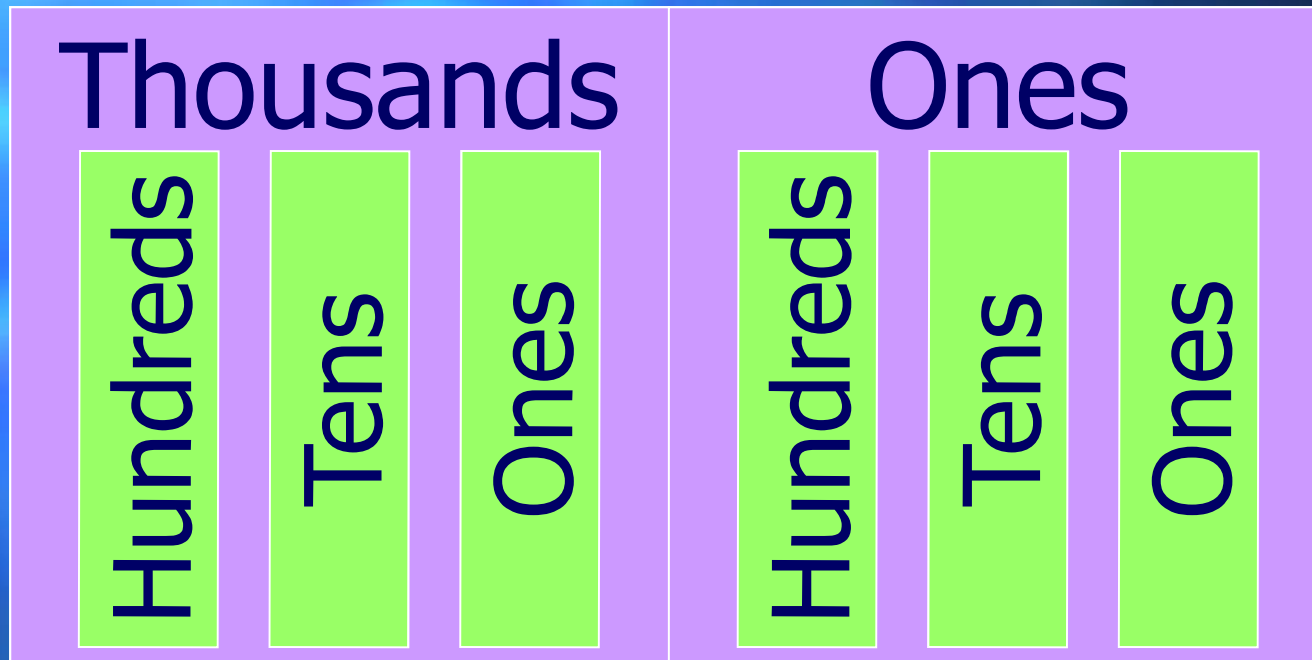
Numbers are divided into periods



690,492

Periods are separated by commas.

Remember that each period has three place values within the period



6 9 0, 4 9 2

Before you can learn to write numbers in word form you must know how to spell these words:

one

two

three

four

five

six

seven

eight

nine

ten

eleven

twelve

thirteen

fourteen

fifteen

sixteen

seventeen

eighteen

nineteen

twenty

thirty

forty

fifty

sixty

seventy

eighty

ninety

hundred

thousand

How to write large numbers in word form

Write the numbers as you would read them: 1st
Write the first period before the comma as if you were writing the number in the one's period.

2nd Write the period you are in when you get to the comma.

3rd Write the next period the same way except you don't write the one's period.

Thousand Ones

690,492

Copyright © 2000 by Monica Yuskaitis

Tip

Do not use “and” when writing whole numbers. The word “and” will be used when you are reading numbers with decimals.

690,492

~~Six hundred~~ ~~and~~ ninety-thousand,
~~and~~ four hundred ~~and~~ ninety-two.

Write this number

133,472

One hundred thirty-three thousand,
four hundred seventy-two

Write this number

643,582

Six hundred forty-three thousand,
five hundred eighty-two

Write this number

54,931

Fifty-four thousand,
nine hundred thirty-one

Write this number

530,801

Five hundred thirty thousand,
eight hundred one

Write this number

4,268

Four thousand,
two hundred sixty-eight

Write this number

305,108

Three hundred five thousand,
one hundred eight

Standard form is a number
written with one digit for each place
value

Three hundred five thousand,
one hundred eight

305,108

What is the standard form of this number?

Sixty-three thousand, four hundred ninety.

63,490

What is the standard form of this number?

Twenty-two thousand, two hundred

22,200

What is the standard form of?

4,367

4,367

What is this number in standard form?

Ninety thousand, four hundred eight

90,408

What is the standard form of?

$$6,000 + 800 + 20 + 3$$

6,823

The expanded form of the number is used to show the place value of each digit

The expanded form of

6,823

is

6,000 + 800 + 20 + 3

What is the expanded form of?

4,367

4,000 + 300 + 60 + 7

What is the expanded form of?

56,803

**50,000 + 6,000 +
800 + 3**

What is the expanded form of?

973,104

$$900,000 + 70,000 + 3,000 \\ + 100 + 4$$

What is this number in expanded form?

7,021,500

**7,000,000 + 20,000 +
1,000 + 500**

Credits

Illustrations from:

- Clipart from ClickArt 125,000 Deluxe Image Pak, T/Maker Co., Broderbund Software, Inc.