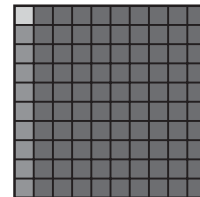


Name _____

Model Place Value Relationships

A hundred grid can help you understand place-value relationships.

- One small square has been shaded to represent 1.
- Shade the rest of the first column. Count the number of small squares. There are 10 small squares. The model for 10 has 10 times as many squares as the model for 1.
- Shade the remaining 9 columns. Count the number of small squares. There are 100 small squares. The model for 100 has 10 times as many squares as the model for 10.
- If you shade ten hundred grids, you will have shaded 1,000 squares. So, the model for 1,000 has 10 times as many squares as the model for 100.



A place-value chart helps you find the value of each digit in a number.

THOUSANDS			ONES		
Hundreds	Tens	Ones	Hundreds	Tens	Ones
		8	5	1	6

In the number 8,516:

The value of the digit 8 is 8 thousands, or 8,000.

The value of the digit 5 is 5 hundreds, or 500.

The value of the digit 1 is 1 ten, or 10.

The value of the digit 6 is 6 ones, or 6.

Find the value of the underlined digit.

1. 756

700

2. 1,025

20

3. 4,279

4,000

4. 35,703

30,000

Compare the values of the underlined digits.

5. 700 and 70

The value of 7 in 700 is 10

times the value of 7 in 70.

6. 5,000 and 500

The value of 5 in 5,000 is 10

times the value of 5 in 500.

Name _____

Read and Write Numbers

Look at the digit 6 in the place-value chart below. It is in the hundred thousands place. So, its value is 6 hundred thousands .

In **word form**, the value of this digit is six hundred thousands.

In **standard form**, the value of the digit 6 is 600,000.

THOUSANDS			ONES		
Hundreds	Tens	Ones	Hundreds	Tens	Ones
6	5	9,	0	5	8

Read the number shown in the place-value chart.

In word form, this number is written as six hundred fifty-nine thousand, fifty-eight.

You can also write the number in **expanded form**:

$$600,000 + 50,000 + 9,000 + 50 + 8$$

Note that when writing a number in words, a comma separates periods.

Read and write each number in two other forms.

1. $40,000 + 1,000 + 300 + 70 + 8$

41,378; forty-one thousand, three hundred seventy-eight

2. twenty-one thousand, four hundred

21,400; $20,000 + 1,000 + 400$

3. 391,032

three hundred ninety-one thousand,

thirty-two; $300,000 + 90,000 + 1,000 + 30 + 2$

