

**Learning Target:** Identify the values of digits in multi-digit numbers.

**Success Criteria:**

- I can identify the first six place value names.
- I can identify the value of each digit in a number.

## Think and Grow

A **place value chart** shows the value of each digit in a number.

The place value chart shows how the place values are grouped. Each group is called a **period**. In a number, periods are separated by commas.

Thousands Period			Ones Period		
Hundreds	Tens	Ones	Hundreds	Tens	Ones
9	4	6,	3	7	8
9 hundred thousands	4 ten thousands	6 thousands	3 hundreds	7 tens	8 ones
900,000	40,000	6,000	300	70	8

### Example

Thousands Period			Ones Period		
Hundreds	Tens	Ones	Hundreds	Tens	Ones
1	5	2,	9	0	7

- The number, in standard form, is \_\_\_\_\_.
- The value of the digit 2 is 2 thousands, or \_\_\_\_\_.
- The value of the digit 5 is \_\_\_\_\_.

## Show and Grow

Write the value of the underlined digit.

1. 47, <u>8</u> 21	2. 13, <u>5</u> 92	3. <u>7</u> 45,826	4. 6 <u>1</u> 5,903
5. 70 <u>3</u> ,569	6. 500, <u>7</u> 3 <u>4</u>	7. 9 <u>6</u> 0,402	8. <u>8</u> 16,449

# Practice

Name \_\_\_\_\_

Write the value of the underlined digit.

9. 2, <u>4</u> 18	10. 57,9 <u>0</u> 3	11. 30 <u>6</u> ,921	12. 788,4 <u>9</u> 1
13. 5 <u>8</u> 6,315	14. <u>4</u> 27,006	15. 864, <u>5</u> 83	16. 9 <u>2</u> 3,576

17. **MP Reasoning** Write the greatest number possible using each number card once. Then write the least six-digit number possible.

7 5 2 4 1 9

Greatest: \_\_\_\_\_ Least: \_\_\_\_\_

18. **DIG DEEPER!** Your friend says that in the number 547,702, the value of the 7 in the thousands place is ten times the value of the 7 in the hundreds place. Is your friend correct? Explain.

**Modeling Real Life** Use the table.

19. Which number has a 3 in the ten thousands place? What does this number represent?

Animal Type	Number of Venomous Species
Bugs	10,370
Flies	30,624
Cnidarians (sea invertebrates)	11,494
Snails and Slugs	7,748

20. What is the value of the digit 7 in the number of venomous species of bugs?

