

LESSON 2



CA Standards

KEY NS 1.5 Use expanded notation to represent numbers (e.g., $3,206 = 3,000 + 200 + 6$).

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

Also AF 1.2, NS 1.0, NS 1.1, MR 2.3

Vocabulary

standard form

expanded form

word form

Place Value Through 999

Objective Write numbers through 999 in standard form, expanded form, and word form.

Learn by Example

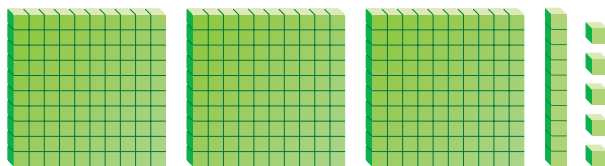
The space suits worn by NASA Shuttle astronauts weigh about 315 pounds each.



You can show 315 on a place-value chart.

ONES		
hundreds	tens	ones
3	1	5

You can show 315 using blocks.



You can **write** 315 in different ways.

Vocabulary Tip

Standard form is sometimes called **standard notation**.

Different Ways to Write a Number

Way 1 You can use **standard form**. 315

Way 2 You can use **expanded form**. $300 + 10 + 5$

Way 3 You can use **word form**. three hundred fifteen



▶ Guided Practice

Write the number in two other ways. Use standard form, expanded form, and word form.

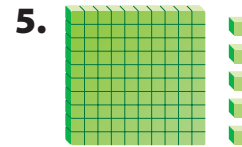
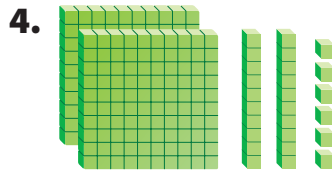
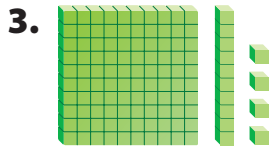
1. $700 + 10 + 7$

2. two hundred four

Ask Yourself

- What is the value of each digit?
- Do any places have zeros?

Write the number in standard form.



Algebra Equations

Find the value of \blacksquare .

6. $100 + 30 + \blacksquare = 136$

7. $200 + \blacksquare + 5 = 245$

8. $\blacksquare + 20 + 9 = 929$



Math Talk In the number 507, what is the meaning of the zero in the tens place?