

# Review

## Chapter 1

## Place Value

### Vocabulary Check



Choose the correct word(s) to complete each sentence.

**decimal**

**decimal point**

**equivalent decimals**

**expanded form**

**period**

**place value**

**place-value chart**

**standard form**

1. Decimals that have the same value are \_\_\_\_\_.
2. \_\_\_\_\_ is a system for writing numbers. In this system, the position of a digit determines its value.
3. The usual or common way to write a number is called \_\_\_\_\_.
4. The way of writing a number as the sum of the values of its digits is called \_\_\_\_\_.
5. A \_\_\_\_\_ is a number that has a digit in the tenths place, hundredths place, and/or beyond.
6. The \_\_\_\_\_ is a period separating the ones and the tenths in a decimal number.
7. A \_\_\_\_\_ is a chart that shows the value of the digits in a number.

# Concept Check

Name the place of the highlighted digit. Then write the value of the digit.

8. 19**5**,489

\_\_\_\_\_

9. **6**,720,341

\_\_\_\_\_

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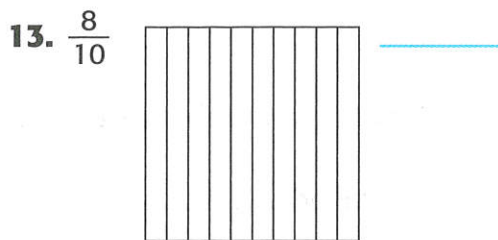
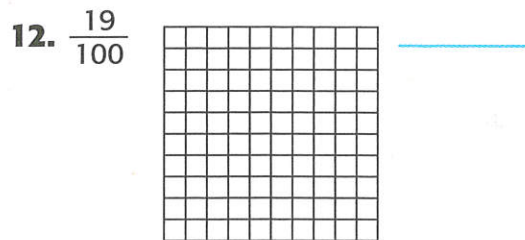
Write each number in standard form.

10. 94 million, 237 thousand, 108 \_\_\_\_\_

11.  $8 \times 1,000,000 + 5 \times 10,000 + 2 \times 1,000 + 6 \times 100$  \_\_\_\_\_

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Shade the model to show each fraction. Write each fraction as a decimal.



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Write each number in standard form and expanded form.

14. *five and nine tenths*

\_\_\_\_\_

15. *seven hundred twelve thousandths*

\_\_\_\_\_

Write  $<$ ,  $>$ , or  $=$  in each  to make a true sentence.

16.  $14,589$    $14,985$       17.  $506,789$    $505,789$       18.  $8,913$    $8,931$

19.  $0.49$    $0.71$       20.  $9.02$    $9.020$       21.  $0.843$    $0.846$

22. Order the set of numbers from *least* to *greatest*.

$13.84$ ,  $13.097$ ,  $12.655$ ,  $13.6$

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## Problem Solving

23. One cup is equal to  $\frac{5}{10}$  pint. Write this fraction as a decimal.

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24. Charles is moving from Springfield, which has 482,653 people, to Greenville, which has 362,987 people. Is he moving to a city with a greater or smaller population? Explain.

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25. The Pacific Ocean has *sixty-four million, one hundred eighty-six thousand, three hundred square miles*. How many square miles is the Pacific Ocean in standard form?

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## Test Practice

26. Which number results in a true sentence in  $475 < \underline{\hspace{1cm}}$ ?

- (A) 473
- (B) 474
- (C) 475
- (D) 476