Homework Helper
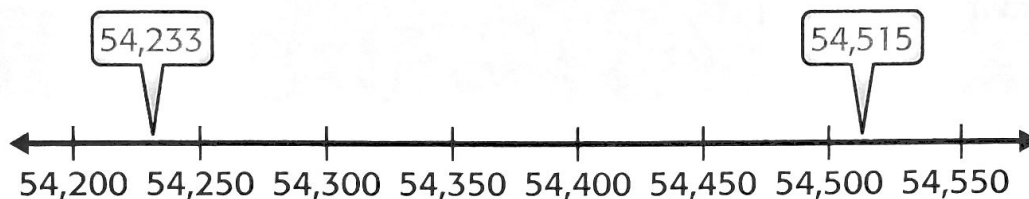
Need help? connectED.mcgraw-hill.com

Compare 54,515 and 54,233. Use >, <, or =.

Use a number line.

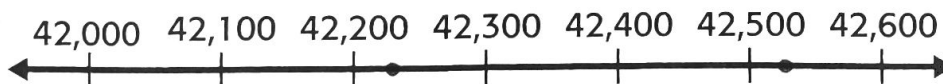54,515 is to the right of 54,233 on the number line.

So, 54,515 > 54,233.

Practice

For Exercises 1–2, use the number lines to compare. Use <, >, or =.

1. 67,113 ◯ 62,523

62,000 63,000 64,000 65,000 66,000 67,000 68,000

2. 42,254 ◯ 42,533

42,000 42,100 42,200 42,300 42,400 42,500 42,600

Compare. Use <, >, or =.

3. $751,012 ◯ $715,012   **4.** 4,350 ◯ 5,430   **5.** 8,080 ◯ 8,880

6. 322,650 ◯ 332,650   **7.** 673 ◯ 376   **8.** $918,050 ◯ $819,050

9. 121,571 ◯ 211,571   **10.** 17,888 ◯ 17,780   **11.** 72,770 ◯ 72,770

Problem Solving

12. **Mathematical PRACTICE 3** **Draw a Conclusion** Gigi has $1,698 in her savings account. Robert has $1,898 in his savings account. Toby has $100 less than Robert in his savings account. Who has the least amount of money?

_____

13. There were 544,692 tickets sold for the rock concert. There were 455,692 tickets sold for the country music concert. Which concert sold a greater number of tickets?

_____

Vocabulary Check

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

is equal to (=)   is greater than (>)

is less than (<)   number line

To compare numbers, you can use a _____ . A number that is to the right on a number line _____ a number to its left. A number on the left _____ a number to its right.

You can look at place values to compare numbers. If a number has a digit in the thousands place that _____ the thousands digit in another number, then look to the hundreds place.

Test Practice

15. Which number sentence is *not* true?

Ⓐ 243,053 < 242,553

Ⓑ 194,832 > 193,832

Ⓒ 553,025 = 553,025

Ⓓ 295,925 < 295,952

Order Numbers

Lesson 4

ESSENTIAL QUESTION
How does place value help represent the value of numbers?

You can use a place-value chart to put numbers in order.

Math in My World

Tutor

Example 1

Compare the populations of the three cities and order them from *greatest* to *least*.

Lowell
pop. 103,299

Cambridge
pop. 101,365

Boston
pop. 590,763

1 Write the populations on the place-value chart.

2 Start with the greatest place-value position. Compare.

_____ > _____

3 Compare the digits in the next place.

_____ = _____

4 Continue to compare until the digits are different.

_____ > _____

_____ > _____ > _____

Thousands			Ones		
hundreds	tens	ones	hundreds	tens	ones

So, from *greatest* population to *least*, the order of the cities is

_____, _____, and _____.
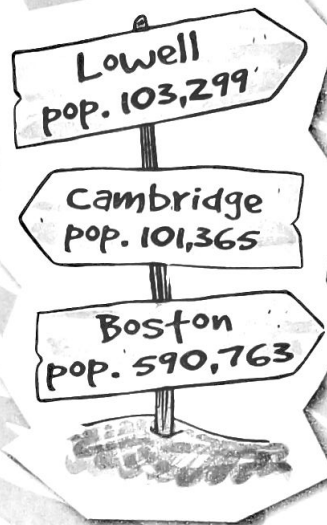
Example 2

Order the numbers on the cards at the right from *least* to *greatest*.

245,032   **254,002**

245,023

1 Line up the numbers by the ones place.

□ □ □ , □ □ □

□ □ □ , □ □ □

□ □ □ , □ □ □

2 Start with the greatest place-value position. Compare.

Each number has a _____ in the hundred thousands place. So, compare the digits in the ten thousands place. The greatest number is _____.

The two numbers that are left both have a _____ in the thousands place and a _____ in the hundreds place. The second greatest number is _____.

So, in order from *least* to *greatest*, the numbers are

_____ .

Talk MATH

When ordering numbers, what do you do when the digits in the same place have the same value?

Guided Practice

Check ✓

1. Place the numbers in the place-value chart in order from *greatest* to *least*.

Thousands			Ones		
hundreds	tens	ones	hundreds	tens	ones

52,482   greatest →

50,023

56,028

63,340

least →

Independent Practice

Place the numbers in the place-value chart in order from *greatest* to *least*.

2. 12,378
12,783
12,873

Thousands			Ones		
hundreds	tens	ones	hundreds	tens	ones
greatest →					
least →					

3. 258,103
248,034
285,091
248,934

Thousands			Ones		
hundreds	tens	ones	hundreds	tens	ones
greatest →					
least →					

4. 138,032
138,023
139,006
183,467

Thousands			Ones		
hundreds	tens	ones	hundreds	tens	ones
greatest →					
least →					

5. 652,264
625,264
652,462
625,642

Thousands			Ones		
hundreds	tens	ones	hundreds	tens	ones
greatest →					
least →					

Order the numbers from *least* to *greatest*.

6. 402,052; 425,674; 414,035

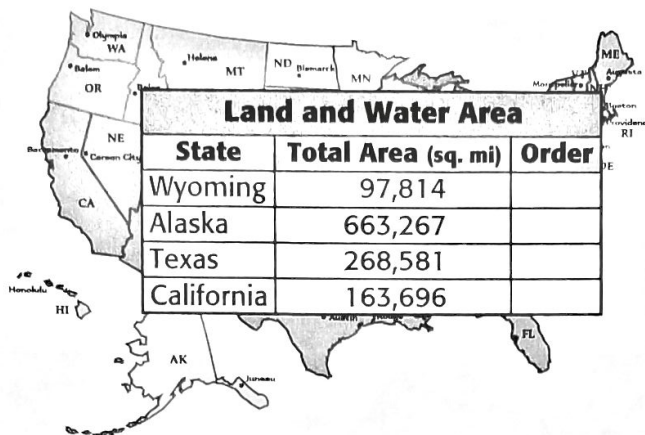**7.** 643,947; 643,537; 642,066

8. 113,636; 372,257; 337,633

9. 563,426; 564,376; 653,363

Problem Solving

10. Mathematical **PRACTICE** 2 **Stop and Reflect** Order the states from *least* (1) to *greatest* (4) total area.
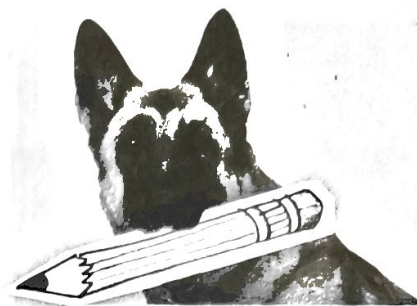
Land and Water Area		
State	**Total Area (sq. mi)**	**Order**
Wyoming	97,814	
Alaska	663,267	
Texas	268,581	
California	163,696	

My Work!

11. Order the dog breeds from *least* popular (1) to *most* popular (3).

Dog Breeds		
Dog Breed	**Number**	**Order**
Yorkshire Terrier	47,238	
Beagle	42,592	
German Shepherd	45,868	

HOT Problems

12. Mathematical **PRACTICE** 1 **Keep Trying** Use the digits 2, 3, 4, 5, and 9 to create four 5-digit numbers. Use each digit exactly once in each number. Order them from *least* to *greatest*.

_____

_____

13. **Building on the Essential Question** When do I compare real-world numbers?

_____

_____