Chapter 1

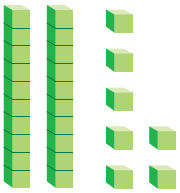
Name _____

Whole Number Place Value

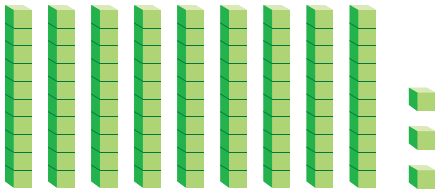
Show What You Know

Tens and Ones Write the missing numbers.

1. 27 = _____ tens _____ ones



2. 93 = _____ tens _____ ones



Regroup Hundreds as Tens Regroup. Write the missing numbers.

3. 5 hundreds 4 tens = _____ tens

4. 8 hundreds 9 tens = _____ tens

Round Whole Numbers Round the whole number to the nearest 10 or 100.

5. Round 334 to the nearest 10.

_____

6. Round 579 to the nearest 100.

_____

7. Round 209 to the nearest 10.

_____

MATH in the Real World

Use the following clues to find the maximum seating capacity of a baseball stadium.

- **The 5-digit number has a 4 in the greatest place-value position and a 1 in the least place-value position.**
- **The digit in the thousands place has a value of 3,000.**
- **The digit in the hundreds place is twice the digit in the thousands place.**
- **There is a 5 in the tens place.**

Vocabulary Builder

Go Online For more help

Visualize It

Write the review words with a ✓ on the Word Line, from greatest to least place value.

Place Value

greatest _____

_____

_____

_____

least _____

Connect to Vocabulary

Review Words

✓ hundreds
✓ ones
✓ tens
✓ ten thousands
✓ thousands

Preview Words

estimate
expanded form
period
round
standard form
word form

Understand Vocabulary

Write the word or phrase that matches the description.

1. to replace a number with another number that tells about how many or how much _____
2. a way to write numbers by showing the value of each digit _____
3. a number close to an exact amount _____
4. each group of three digits separated by commas in a multi-digit number _____
5. a way to write numbers by using the digits 0–9, with each digit having a place value _____

Name _____

Place Value and Patterns

Florida's B.E.S.T.

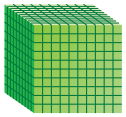
- **Number Sense & Operations** 4.NSO.1.1
- **Mathematical Thinking & Reasoning** MTR 2.1, MTR 3.1, MTR 4.1, MTR.5.1

I Can describe how the value of a digit in a whole number changes if the digit moves one place to the left or right.

Investigate

Materials ■ base-ten blocks

You can use base-ten blocks to understand the relationships among place-value positions. Use a large cube for 1,000, a flat for 100, a long for 10, and a small cube for 1.

Number	1,000	100	10	1
Model				
Description	large cube	flat	long	small cube

Complete the comparisons below to describe the relationship from one place-value position to the next place-value position.

A.

- Look at the long and compare it to the small cube.

  The long is _____ times as much as the small cube.

- Look at the flat and compare it to the long.

  The flat is _____ times as much as the long.

- Look at the large cube and compare it to the flat.

  The large cube is _____ times as much as the flat.

B.

- Look at the flat and compare it to the large cube.

  The flat is _____ of the large cube.

- Look at the long and compare it to the flat.

  The long is _____ of the flat.

- Look at the small cube and compare it to the long.

  The small cube is _____ of the long.

Math Talk

MTR 4.1 Engage in discussions on mathematical thinking.

How many times as much is the flat compared to the small cube? The large cube to the small cube? Explain.

Make Connections

You can use your understanding of place-value patterns and a place-value chart to write numbers that are 10 times as much as or $\frac{1}{10}$ of any given number.

Hundred Thousands	Ten Thousands	One Thousands	Hundreds	Tens	Ones
			3	0	0
		?	300	?	

10 times as much as

$\frac{1}{10}$ of

_____ is 10 times as much as 300.

_____ is $\frac{1}{10}$ of 300.

Use the steps below to complete the table.

STEP 1 Write the given number in a place-value chart.

STEP 2 Use the place-value chart to write a number that is 10 times as much as the given number.

STEP 3 Use the place-value chart to write a number that is $\frac{1}{10}$ of the given number.

Number	10 times as much as	$\frac{1}{10}$ of
10		
70		
9,000		

Share and Show

Complete the sentence.

1. 500 is 10 times as much as _____.

2. 20,000 is $\frac{1}{10}$ of _____.

Use place-value patterns to complete the table.

Number	10 times as much as	$\frac{1}{10}$ of
3. 50		
4. 3,000		

Number	10 times as much as	$\frac{1}{10}$ of
5. 400		
6. 90		

Complete the sentence with 100 or 1,000.

7. 200 is _____ times as much as 2.

8. 700,000 is _____ times as much as 700.

9. 4,000 is _____ times as much as 4.

10. 600 is _____ times as much as 6.

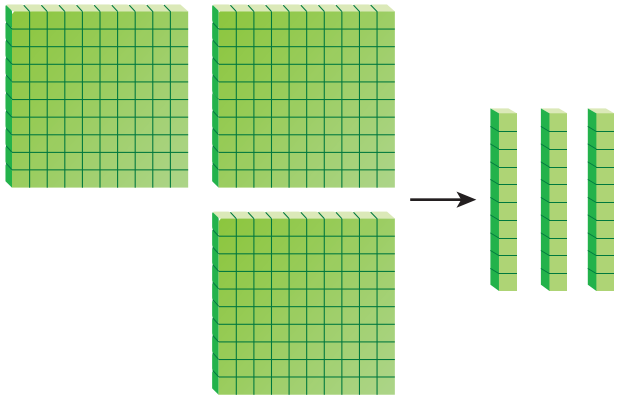
Name _____

On Your Own

11. MTR Mark and Robyn used base-ten blocks to show that 300 is 100 times as much as 3. Whose model makes sense? Whose model does not make sense? Explain your reasoning.

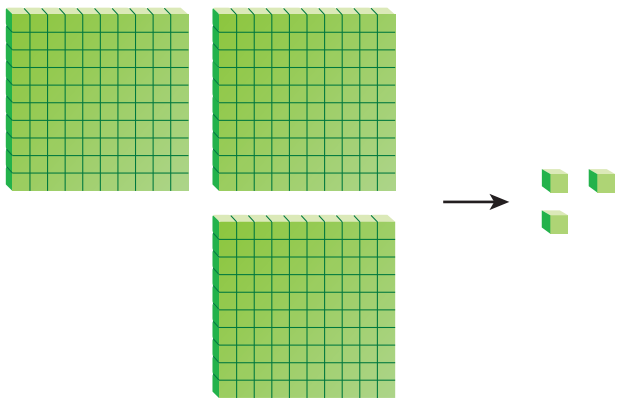
MATH on the Spot

Mark's Work



300 is 100 times as much as 30

Robyn's Work



300 is 100 times as much as 3

12. Explain how you would help Mark understand why he should have used small cubes instead of longs.

Fill in the bubble completely to show your answer.

13. Isabella has 500 pennies in a jar. Brenda has 10 times as many pennies as Isabella does. How many pennies does Brenda have?

Ⓐ 50,000

Ⓑ 5

Ⓒ 5,000

Ⓓ 50

14. Which statement is true?

Ⓐ 8,000 is 10 times as much as 80.

Ⓑ 80 is $\frac{1}{10}$ of 8.

Ⓒ 800 is 10 times as much as 80.

Ⓓ 8 is $\frac{1}{10}$ of 800.

15. Eames has a collection of comic books. He currently has 1,000 comic books. His friend Zhongli has $\frac{1}{10}$ the number of comic books that Eames does. Jose has $\frac{1}{10}$ the number of comic books that Zhongli has. How many comic books does Jose have?

Ⓐ 1,000

Ⓑ 100

Ⓒ 10,000

Ⓓ 10

16. Sam has 1,300 dimes. Anya has $\frac{1}{10}$ the number of dimes that Sam does. How many dimes does Anya have?

Ⓐ 13,000

Ⓑ 13

Ⓒ 130

Ⓓ 3

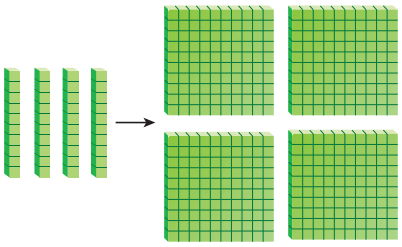
Name _____

Place Value and Patterns

Go Online
Interactive Examples

1. Emma and Jamie used base-ten blocks to show that 40 is one-tenth of 400. Whose model makes sense? Whose model does not make sense? Explain your reasoning.

Emma's Work



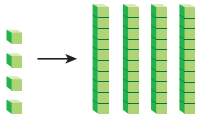
40 is $\frac{1}{10}$ of 400

_____

_____

_____

Jamie's Work



4 is $\frac{1}{10}$ of 400

_____

_____

_____

Problem Solving Real World

2. Dhara had 3 dollars. She went to the bank and exchanged the 3 dollars for 30 dimes.

Describe the relationship between the value of a dollar and the value of a dime.

_____

_____

Lesson Check

Fill in the bubble completely to show your answer.

3. Which statement is true?

- (A) 500 is 10 times as much as 50.
- (B) 500 is $\frac{1}{10}$ as much as 50.
- (C) 50,000 is 1,000 times as much as 5.
- (D) 5 is $\frac{1}{10}$ as much as 500.

4. 7,000 is ten times as much as what number?

- (A) 70
- (B) 7
- (C) 70,000
- (D) 700

5. Which statement is true?

- (A) 90 is $\frac{1}{10}$ of 100.
- (B) 900 is 100 times as much as 9.
- (C) 9,000 is 1,000 times as much as 90.
- (D) 9 is $\frac{1}{10}$ of 900.

6. 720 is $\frac{1}{10}$ of what number?

- (A) 7,200
- (B) 72
- (C) 7
- (D) 72,000

Spiral Review

What is the value of the underlined digit in each number?

7. 2,9<u>7</u>4 _____

8. <u>5</u>,246 _____

9. 7,01<u>3</u> _____

10. 9,<u>8</u>70 _____

Write the number in word form.

11. 5,471

_____

12. 9,036

_____

Name _____

Read and Write Numbers

Florida's B.E.S.T.
- **Number Sense & Operations** 4.NSO.1.2
- **Mathematical Thinking & Reasoning** MTR.1.1, MTR.2.1, MTR. 3.1, MTR.4.1

I Can read and write numbers up to 1,000,000 using standard form, expanded form, and word form.

UNLOCK the Problem Real World

The International Space Station uses 262,400 solar cells to change sunlight to electricity.

Write 262,400 in standard form, word form, and expanded form.

Use a place-value chart.

Each group of three digits separated by a comma is called a **period**. Each period has hundreds, tens, and ones. The greatest place-value position in the thousands period is hundred thousands.

Write 262,400 in the place-value chart below.

PERIOD ↓			PERIOD ↓		
THOUSANDS			ONES		
Hundreds	Tens	Ones	Hundreds	Tens	Ones

The number 262,400 has two periods, thousands and ones.

Standard Form: 262,400

Word Form: two hundred sixty-two thousand, four hundred

Expanded Form: 200,000 + 60,000 + 2,000 + 400

Math Talk

MTR 4.1 Engage in discussions on mathematical thinking.

How can you use a place-value chart to find which digit in a number has the greatest value?

Try This! Use place value to read and write numbers.

A **Standard Form:** _____

Word Form: ninety-two thousand, one hundred seventy

Expanded Form:

90,000 + 2,000 + _____ + 70

B **Standard Form:** 200,007

Word Form:
two hundred _____, _____

Expanded Form:

_____ + 7

Share and Show

Math Board

1. How can you use place value and period names to read and write 324,904 in word form?

Read and write the number in two other forms.

2. four hundred eight thousand, seventeen

3. 65,058

Math Talk

MTR 1.1 Actively participate in effortful learning.

Explain how you can use the expanded form of a number to write the number in standard form.

On Your Own

Read and write the number in two other forms.

4. five hundred eight thousand

5. one million

6. 570,020

7. 400,000 + 60,000 + 5,000 + 100

8. During the week of the county fair, fifteen thousand, six hundred nine entry tickets were sold. Is it correct to write the number as 15,069? Explain.

9. There were 94,172 people at a football game on Saturday. On Monday, 1,000 fewer people were at a football game. In word form, how many people were at the football game on Monday?

10. Ricardo got 263,148 hits when he did an Internet search. What is the value of the digit 6 in this number? Explain.

Name _____

11. Yvonne wrote the numbers sixteen thousand, nine hundred eighteen and 64,704 on the board. Which of the numbers has a greater value in the thousands place?

12. Muhammad found the sum of 3 thousands 4 hundreds 3 tens 1 one + 4 thousands 8 hundreds 3 tens 5 ones. Leona found the sum of 5 thousands 7 hundreds 4 ones + 3 thousands 2 hundreds 3 tens 1 one. Who had the greater sum? What was the greater sum?

Problem Solving · Applications

Use the table for Problems 13–14.

13. MTR Which city has a population of two hundred fifty-five thousand, one hundred twenty-four?

14. Write the population of Raleigh in expanded form and word form.

Major Cities in North Carolina

City	Population*
Durham	229,171
Greensboro	255,124
Raleigh	405,612

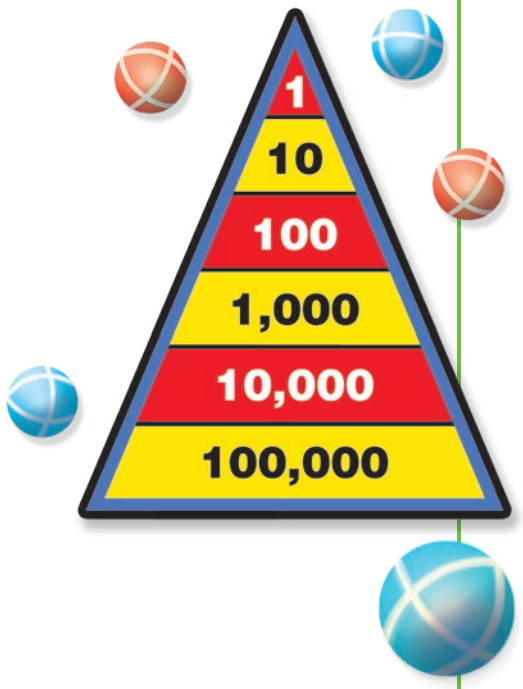
*U.S. Census Bureau 2008 Estimated Population

15. Sophia said that the expanded form for 605,970 is 600,000 + 50,000 + 900 + 70. Describe Sophia's error and give the correct answer.

MATH on the Spot

UNLOCK the Problem Real World

16. Linus tossed six balls while playing a number game. Three balls landed in one section, and three balls landed in another section. His score is greater than one hundred thousand. What could his score be?



a. What do you know? _____

_____

_____

b. How can you use what you know about place value to find what Linus's score could be? _____

_____

_____

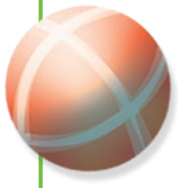
_____

_____

_____

_____

c. Draw a diagram to show one way to solve the problem.



d. Complete the sentences.

Three balls could have landed in the _____ section.

Three balls could have landed in the _____ section.

Linus's score could be _____ _____.

17. What is another way to write 615,004? Mark all that apply.

Ⓐ six hundred fifteen thousand, four

Ⓑ six hundred five thousand, fourteen

Ⓒ 60,000 + 10,000 + 5,000 + 4

Ⓓ 600,000 + 10,000 + 5,000 + 4

Name _____

Read and Write Numbers

Go Online
Interactive Examples

Read and write the number in two other forms.

1. six hundred ninety-two thousand, four

standard form: 692,004;

expanded form: 600,000 + 90,000 + 2,000 + 4

2. 314,207

3. 600,000 + 80,000 + 10

Use the number 913,256.

4. Write the name of the period that has the digits 913.

5. Write the digit in the ten thousands place.

6. Write the value of the digit 9.

Problem Solving Real World

Use the table for Problems 7 and 8.

Population in 2008

State	Population
Alaska	686,293
South Dakota	804,194
Wyoming	532,668

7. Which state had a population of eight hundred four thousand, one hundred ninety-four?

8. What is the value of the digit 8 in Alaska's population?

9. Is *70 thousand* written in standard form or word form? Explain.

Lesson Check

10. Based on a 2008 study, children 6–11 years old spend sixty-nine thousand, one hundred eight minutes a year watching television. What is this number written in standard form?

11. What is the value of the digit 5 in the number 584,230?

Spiral Review

12. An ant has 6 legs. How many legs do 8 ants have?

13. Latricia's vacation is in 4 weeks. There are 7 days in a week. How many days is it until Latricia's vacation?

14. Marta collected 363 cans. Diego collected 295 cans. How many cans did Marta and Diego collect?

15. The city Chongyun lives in has 6,534 people. What is the value of the 6 in 6,534?

Name _____

Compare and Order Numbers

Florida's B.E.S.T.

- **Number Sense & Operations** 4.NSO.1.3
- **Mathematical Thinking & Reasoning** MTR 1.1, MTR 3.1, MTR 4.1

I Can use number lines and symbols to compare and order numbers.

UNLOCK the Problem Real World

Grand Canyon National Park in Arizona had 651,028 visitors in May 2018 and 665,188 visitors in May 2019. In which year did the park have more visitors during the month of May?

- How many visitors were there in May 2018?

_____

- How many visitors were there in May 2019?

_____

Example 1 Use a place-value chart.

You can use a place-value chart to line up the digits by place value. Line up the ones with the ones, the tens with the tens, and so on. Compare 651,028 and 665,188.

Write 651,028 and 665,188 in the place-value chart below.

THOUSANDS			ONES		
Hundreds	Tens	Ones	Hundreds	Tens	Ones

Start at the left. Compare the digits in each place-value position until the digits differ.

STEP 1 Compare the hundred thousands.

651,028

665,188

6 hundred thousands ◯ 6 hundred thousands

Write <, >, or =.

The digits in the hundred thousands place are the same.

STEP 2 Compare the ten thousands.

651,028

665,188

5 ten thousands ◯ 6 ten thousands

Write <, >, or =.

5 ten thousands is less than 6 ten thousands, so 651,028 < 665,188.

Since 651,028 < 665,188, there were more visitors in May 2019 than in May 2018.

Example 2 Use a number line to order 10,408; 10,433; and 10,416 from least to greatest.

Locate and label each point on the number line. The first one is done for you.

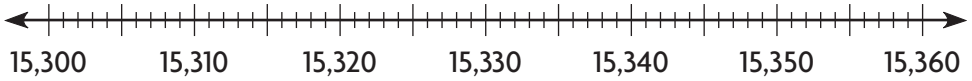
Think: Numbers to the left are closer to 0.

So, the numbers from least to greatest are 10,408; 10,416; and 10,433.
$10{,}408 < 10{,}416 < 10{,}433$

Share and Show

Math Board

1. Compare 15,327 and 15,341.
Write <, >, or =. Use the number line to help.



15,327 ◯ 15,341

Compare. Write <, >, or =. Use a number line, if needed.

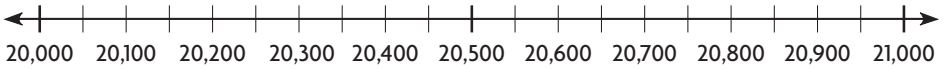
2. $631,328 ◯ $1,000,000

3. 56,991 ◯ 52,880

4. 708,561 ◯ 629,672

5. 143,062 ◯ 98,643

6. Plot the numbers on the number line. Then order them from greatest to least.



20,620; 20,890; 20,150

Math Talk

MTR 4.1 Engage in discussions on mathematical thinking.

Why do you not start with the ones digits when comparing three multi-digit numbers?

Name _____

On Your Own

Compare. Write <, >, or =. Use a number line, if needed.

7. $2,212 ◯ $2,600

8. 88,304 ◯ 88,304

9. $524,116 ◯ $61,090

10. 751,272 ◯ 851,001

Order from least to greatest. Use a number line, if needed.

11. 41,090; 41,190; 40,009

_____

12. 910,763; 912,005; 95,408

_____

MTR **Write all of the digits that can replace each ▢.**

13. $567 < 5▢5 < 582$

_____

14. $464{,}545 > 4▢3{,}535 > 443{,}550$

_____

15. Minho's car has 156,261 miles on the odometer. Lucia's car has 165,002 miles on the odometer. Yakov's car has 145,834 miles on the odometer. Whose car has the most miles? Order the number of miles from least to greatest.

_____

16. At Lupita's Used Cars, the sales staff set a goal of $25,500 in sales each week. The sales for three weeks were $28,288; $25,369; and $25,876. Which total did not meet the goal?

_____

17. Max said that 36,594 is less than 5,980 because 3 is less than 5. Describe Max's error and give the correct answer.

_____

_____

Problem Solving · Applications

Use the picture graph for Problems 18–20.

Grand Canyon National Park Tent Campers

Month (2018)	Estimated Number of Campers
June	⛺ ⛺
July	⛺ ⛺ ⛺
August	⛺ ⛺ ⛺
September	⛺ ⛺

Key: Each ⛺ = 5,000.

18. MTR In which month shown did Grand Canyon National Park have about 7,500 tent campers?

_____

19. How many more campers were there in July and August than in June and September?

_____

20. What if during the month of October, the park had 22,500 tent campers? How many symbols would be placed on the picture graph for October?

_____

21. Compare: 643,251; 633,512; and 633,893. The answer is 633,512, what's the question?

MATH on the Spot

_____

_____

22. Mordechai's school set a goal of collecting 12,155 cans of food each day. In the first 3 days, the school collected 12,250 cans; 10,505 cans; and 12,434 cans. Write each number in the box that tells whether or not the school met its goal.

12,250 | 10,505 | 12,434

Met the daily goal	Did not meet the daily goal

Name _____

Compare and Order Numbers

Go Online
Interactive Examples

Compare. Write <, >, or =. Use a number line, if needed.

1. 3,273 (<) 3,279
2. $1,323 ( ) $1,400
3. 52,692 ( ) 52,692
4. $413,005 ( ) $62,910
5. 382,144 ( ) 382,144
6. 157,932 ( ) 200,013
7. 401,322 ( ) 410,322
8. 989,063 ( ) 980,639
9. 258,766 ( ) 258,596

Order from least to greatest. Use a number line, if needed.

10. 23,710; 23,751; 23,715

_____

11. 52,701; 54,025; 5,206

_____

12. 465,321; 456,321; 456,231

_____

13. $330,820; $329,854; $303,962

_____

14. An online newspaper had 350,080 visitors in October, 350,489 visitors in November, and 305,939 visitors in December. What is the order of the months from greatest to least number of visitors?

_____

15. The total land area in square miles of each of three states is shown below.
    Colorado: 103,718
    New Mexico: 121,356
    Arizona: 113,635
    What is the order of the states from least to greatest total land area?

_____

16. WRITE Math Suppose the leftmost digits of two numbers are 8 and 3. Can you tell which number is greater? Explain.

_____

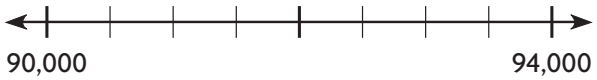
_____

_____

Lesson Check

17. At the yearly fund-raising drive, the nonprofit company's goal was to raise $55,500 each day. After three days, it had raised $55,053; $56,482; and $55,593. Which amount was less than the daily goal?

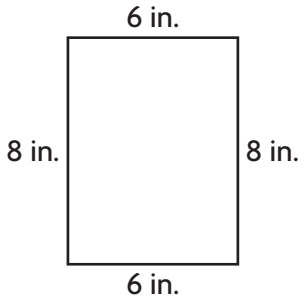
18. Plot these numbers on a number line. Then, list these numbers in order from greatest to least: 90,048; 93,405; 90,543



Spiral Review

19. Write a fraction that is less than $\frac{5}{6}$ and has a denominator of 8.

20. What is the perimeter in inches of the rectangle below?



21. A website had 826,140 hits last month. What is the value of the 8 in 826,140?

22. Write 680,705 in expanded form.

Name _____

Round Numbers

I Can round numbers to the nearest 10, 100, or 1,000.

Florida's B.E.S.T.

- **Number Sense & Operations** 4.NSO.1.4
- **Mathematical Thinking & Reasoning** MTR.1.1, MTR.2.1, MTR.4.1, MTR.5.1

UNLOCK the Problem Real World

One day, the Mount Rushmore National Monument in South Dakota welcomed 8,472 visitors. A website reported that about eight thousand people visited the park during that month. Was the estimate reasonable?

- Underline what you are asked to find.
- Circle the information you will use.

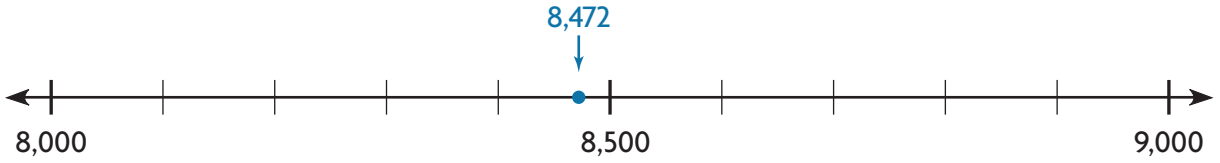
An **estimate** tells you about how many or about how much. It is close to an exact amount. You can **round** a number to find an estimate.

One Way Use a number line.

To round a number to the nearest thousand, find the thousands it is between.

_____ < 8,472 < _____

Use a number line to see which thousand 8,472 is closer to.



8,472 is closer to _____ than _____.

So, eight thousand is a reasonable estimate for 8,472.

Math Talk

MTR 4.1 Engage in discussions on mathematical thinking.

How can you use a model to round numbers?

1. What number is halfway between 8,000 and 9,000?

_____

2. How does knowing where the halfway point is help you find which thousand 8,472 is closer to? Explain.

_____

_____

_____

Another Way Use place value.

Mount Rushmore is located 5,725 feet above sea level. About how high is Mount Rushmore above sea level, to the nearest thousand feet?

To round a number to the nearest thousand, find the thousands it is between.

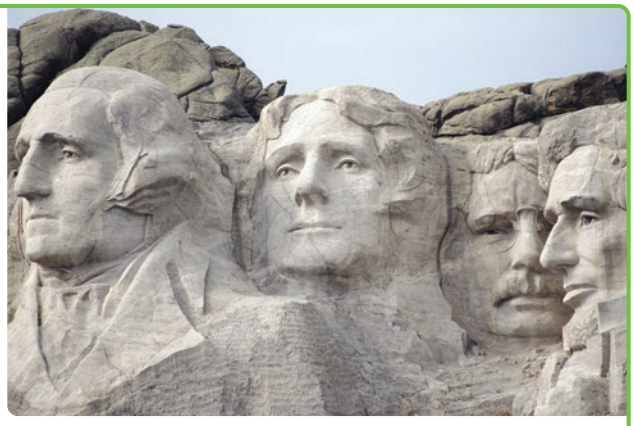
_____ < 5,725 < _____

Look at the digit in the place-value position to the right.

5,725

Think: The digit in the hundreds place is 7.
So, 5,725 is closer to 6,000 than 5,000.

So, Mount Rushmore is about _____ feet above sea level.



Math Talk

MTR 2.1 Demonstrate understanding in multiple ways.

Explain the difference in using a model and using place value when rounding numbers.

3. What number is halfway between 5,000 and 6,000?

_____

4. What is 5,500 rounded to the nearest thousand? Explain.

_____

_____

_____

Math Idea

When a number is exactly halfway between two rounding numbers, round to the greater number.

Try This! Round to the place value of the underlined digit.

A 4,999

_____

B 8,562

_____

C 1,499

_____

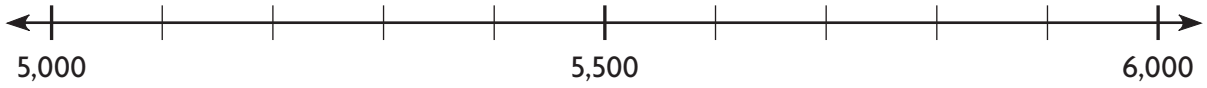
D 4,832

_____

Name _____

Share and Show

1. Suppose 5,113 people go to a concert. Is it reasonable to say that about 6,000 people went to the concert? Use the number line to help you solve the problem. Explain.



Round to the place value of the underlined digit.

2. 4,567

3. 2,867

4. 2,341

5. 7,456

On Your Own

6. To the nearest hundred, a factory produced 3,600 jars of applesauce on Thursday and 4,200 jars of applesauce on Friday. To the nearest thousand, how many jars of applesauce did it produce during the two days?

Problem Solving · Applications

7. The number 2,▢00 is missing a digit. The number rounded to the nearest thousand is 3,000. List all of the possibilities for the missing digit. Explain your answer.

MATH on the Spot

8. A male elephant weighs 6,728 pounds. A female elephant weighs 5,853 pounds. To the nearest hundred pounds, what is the total weight of the two elephants?

_____

9. About 3,000 people attended a festival. For numbers 9a–9e, choose Yes or No to show whether each number could be the exact number of people that attended the festival.

9a.	3,512	○ Yes	○ No
9b.	2,498	○ Yes	○ No
9c.	2,523	○ Yes	○ No
9d.	3,890	○ Yes	○ No
9e.	3,059	○ Yes	○ No

Cross-Curricular: Science

Data Gathering

Some scientists count and measure groups of things. Benchmarks can be used to estimate the size of a group or a population. A *benchmark* is a known number of things that helps you understand the size or amount of a different number of things.

Use the benchmark to find a reasonable estimate for the number of coquina shells it would take to fill a jar.

It would take about 5 times the benchmark to fill the jar.
$100 + 100 + 100 + 100 + 100 = 500$

The most reasonable estimate for the number of coquina shells it would take to fill the jar is 500 shells.

Benchmark
100 shells

200; 500;
or 5,000

MTR Use the benchmark to find a reasonable estimate. Circle the reasonable estimate.

10.

500 beads

1,500; 2,500;
or 3,500

11.

100 pounds of sod

1,000; 5,000; or 10,000

Name _____

Round Numbers

Go Online
Interactive Examples

Round to the place value of the underlined digit.

1. 2,840

2,840
↑
greater than 5

3,000

2. 3,499 _____

3. 2,945 _____

- Look at the digit to the right.
- If the digit to the right is *less than* 5, the digit in the rounding place stays the same.
- If the digit to the right is *5 or greater,* the digit in the rounding place increases by one.
- Write zeros for the digits to the right of the rounding place.

4. 9,422 _____

5. 9,767 _____

6. 1,306 _____

7. 6,098 _____

Problem Solving Real World

Use the table for Problems 8–9.

8. Find the elevation of Red Trail in the table. Round the elevation to the nearest thousand feet.

_____ feet

9. What is the elevation of Blue Trail rounded to the nearest hundred feet?

_____ feet

Hiking Elevations	
Name	Height (feet)
Red Trail	6,500
Blue Trail	4,494

10. WRITE Math Diona says to round 3,400 to the nearest thousand, she will round to 4,000. Is she right? Explain.

_____

_____

Lesson Check

11. What is 7,039 rounded to the nearest thousand?

12. To the nearest hundred, the number of visitors at the rodeo was 6,800. What might have been the exact number of visitors at the rodeo?

Spiral Review

13. Write the symbol that makes the following number sentence true.

$546,322 ◯ $540,997

14. Pittsburgh International Airport had approximately 714,587 passengers in August 2009. Write a number that is greater than 714,587.

15. Amari made a design with 6 equal tiles. One tile is yellow, 2 tiles are blue, and 3 tiles are purple. What fraction of the tiles are yellow or purple?

16. The fourth grade collected 40,583 cans and plastic bottles. Write this number in word form.

Name _____

Chapter 1

Chapter Review

1. Select a number for ▪ that will make a true comparison. Mark all that apply.

$703{,}209 > ▪$

Ⓐ	702,309	Ⓒ	703,209	Ⓔ	730,029
Ⓑ	703,029	Ⓓ	703,290	Ⓕ	730,209

2. Amira wrote the greatest number that can be made using each of these digits exactly once.

5	3	4	9	8	1

Part A

What was Amira's number? How do you know this is the greatest possible number for these digits?

Part B

What is the least number that can be made using each digit exactly once? Explain why the value of the 4 is greater than the value of the 5.

For Problems 3–4, use the table.

U.S. Mountain Peaks					
Name	**State**	**Height (ft)**	**Name**	**State**	**Height (ft)**
Blanca Peak	CO	14,345	Mount Whitney	CA	14,494
Crestone Peak	CO	14,294	University Peak	AK	14,470
Humboldt Peak	CO	14,064	White Mountain	CA	14,246

3. Write the name of each mountain peak in the box that describes its height, in feet.

Between 14,000 feet and 14,300 feet	Between 14,301 feet and 14,500 feet

4. Circle the name of the tallest peak. Explain how you know which of the mountain peaks is the tallest.

5. Which statement is true?

Ⓐ 400 is 10 times as much as 4,000.

Ⓑ 40 is $\frac{1}{10}$ as much as 400.

Ⓒ 4,000 is 100 times as much as 4.

Ⓓ 4 is $\frac{1}{10}$ as much as 40,000

6. Ishan and Cheryl each rounded 745,829 to the nearest ten thousand. Ishan wrote 750,000 and Cheryl wrote 740,000. Who is correct? Explain the error that was made.

Name _____

7. The total season attendance for a college team's home games, rounded to the nearest ten thousand, was 270,000. For Problems 7a–7d, select Yes or No to tell whether the number could be the exact attendance.

7a.	265,888	○ Yes	○ No
7b.	260,987	○ Yes	○ No
7c.	274,499	○ Yes	○ No
7d.	206,636	○ Yes	○ No

For Problems 8–10, use the table.

The table shows recent population data for Sacramento, California.

Population of Sacramento, CA

Age in years	Population	Age in years	Population
Under 5	35,010	20 to 34	115,279
5 to 9	31,406	35 to 49	92,630
10 to 14	30,253	50 to 64	79,271
15 to 19	34,219	65 and over	49,420

8. Order the populations of these age groups from least to greatest. Under 5, 5 to 9, and 15 to 19.

9. What is the value of the digit 9 in the population of the group 65 and over?

10. Write the number of children between 10 to 14 another way.

11. For Problems 11a–11d, select True or False for each sentence.

11a. The value of 7 in 375,092 is 7,000. ○ True ○ False

11b. The value of 5 in 427,593 is 500. ○ True ○ False

11c. The value of 2 in 749,021 is 200. ○ True ○ False

11d. The value of 4 in 842,063 is 40,000. ○ True ○ False

12. Select another way to show 403,871. Mark all that apply.

Ⓐ four hundred three thousand, eight hundred one

Ⓑ four hundred three thousand, seventy-one

Ⓒ four hundred three thousand, eight hundred seventy-one

Ⓓ 400,000 + 38,000 + 800 + 70 + 1

Ⓔ 400,000 + 3,000 + 800 + 70 + 1

Ⓕ 4 hundred thousands + 3 thousands + 8 hundreds + 7 tens + 1 one

13. Lexi, Susie, and Rial are playing an online word game. Rial scores 100,034 points. Lexi scores 100,754 points. Susie scores 100,030 points. Put the scores in order from greatest to least.

14. There were 7,987 visitors to a museum in June. What is this number rounded to the nearest thousand? Explain how you rounded.

Name _____

15. New Mexico has an area of 121,298 square miles. California has an area of 155,779 square miles. Arizona has an area of 113,635 square miles. Which state has the most square miles? Which state has the least square miles? Explain how you know.

16. Circle the choice that completes the statement.

10,000 less than 24,576 [= > <] 1,000 less than 14,576

17. Match the number to the value of its 5.

45,678 •	• 500
757,234 •	• 50
13,564 •	• 50,000
3,450 •	• 5,000

18. Joey has 700 pennies in a jar. Brenda has 10 times as many pennies as Joey does. How many pennies does Brenda have?

Ⓐ 70,000

Ⓑ 7

Ⓒ 7,000

Ⓓ 70

19. A college baseball team had 3 games in April. Game one had an attendance of 14,753 people. Game two had an attendance of 20,320 people. Game three had an attendance of 14,505 people. Write the games in order from the least attendance to the greatest attendance. Use pictures, words, or numbers to show how you know.

20. Caden made a four-digit number with a 5 in the thousands place, a 5 in the ones place, a 6 in the tens place, and a 4 in the hundreds place. What was the number?

_____