

Name _____ Date _____

Hands On: Compare and Order Whole Numbers

CA Standard
KEY NS 1.2

Use $>$ or $<$ to compare the numbers. Make a number line on a separate sheet of paper to help.

1. 4,351 ○ 4,315

2. 60,060 ○ 6,600

3. 69,780 ○ 96,870

4. 119,832 ○ 911,238

5. 745,271 ○ 75,271

6. 598,401 ○ 589,410

7. 9,889 ○ 8,998

8. 30,298 ○ 30,302

9. 14,501 ○ 13,799

Test Practice

Circle the letter of the correct answer.

10. A company tracked their quarterly sales. The company sold 7,348 units in March, 8,382 units in June, 6,943 units in September, and 9,348 units in December. During which month did the company sell the least?

A March

C June

B September

D December

11. There were 9,435 visitors to a park on Sunday, 4,688 on Monday, 9,643 on Wednesday, and 10,092 on Saturday. On which day did the most people visit?

A Sunday

C Wednesday

B Monday

D Saturday



Writing Math When ordering numbers, is it safe to decide that the number with the most 9s in it is the greatest? Explain.

Hands On: Compare and Order Whole Numbers

CA Standard
KEY NS 1.2

Solve each problem.

1. The street where Jamie lives is 4,672 feet long, and the street where Eric lives is 8,193 feet long. Which street is shorter?

3. Jamie's class went to Telescope Peak in Death Valley National Park on Wednesday and there were 1,049 visitors. Eric's class went on Friday, when there were 1,204 visitors. On which day did more people visit?

5. The school bus drove up Telescope Peak to 8,133 feet above sea level. Then the students climbed further up on foot. Jamie climbed up to 8,689 feet. Eric climbed up to 8,722 feet. Who climbed higher?

2. Jamie's class sold 1,862 tickets for the school raffle and Eric's class sold 2,139 tickets. Whose class sold more tickets?

4. In 2005, there were 827,775 visitors to Death Valley National Park. In 2004, there were 793,730, and in 2003, there were 924,182. Write the numbers of visitors in order from greatest to least.

6. Nina is in Eric's class. She climbed up to 8,789 feet on Telescope Peak. Telescope Peak is 11,049 feet tall at its highest point. Write an expression using $<$ or $>$ to show the heights Nina, Jamie, and Eric climbed from least to greatest.



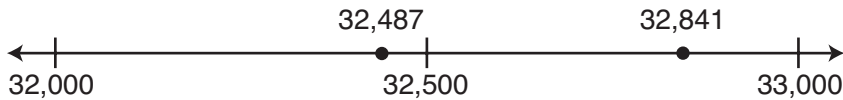
Name _____ Date _____

Hands On: Compare and Order Whole Numbers

CA Standard
KEY NS 1.2

Compare 32,487 and 32,841.

Use a number line.



32,841 is to the right of 32,487 on the number line. So, $32,841 > 32,487$.

Make a number line on a separate sheet of paper. Use $>$ or $<$ to compare the numbers.

1. $351 \bigcirc 531$

2. $2,184 \bigcirc 1,284$

3. $2,349 \bigcirc 7,439$

4. $82,828 \bigcirc 88,222$

5. $6,352 \bigcirc 6,325$

6. $12,903 \bigcirc 19,902$

7. $37,531 \bigcirc 37,135$

8. $9,999 \bigcirc 11,026$

9. $15,932 \bigcirc 15,942$

Spiral Review

(Grade 3 Chapter 17, Lesson 4) **KEY NS 1.1**

10. Use $>$ or $<$ to compare the numbers. $1.23 \bigcirc 0.13$

11. Write these numbers in order from least to greatest. 3.24 4.02 3.44

12. Jake has \$34.82, Emily has \$38.42, and Will has \$34.28. Who has the most money? Who has the least?



Name _____ Date _____

Hands On: Compare and Order Whole Numbers

CA Standard
KEY NS 1.2

Using a place value chart can help compare numbers.

Compare 41,784 and 41,362.

ten thousands	thousands	hundreds	tens	ones
4	1	7	8	4
4	1	3	6	2

Step 1 Start at the left.

Step 2 Compare the ten thousands. $40,000 = 40,000$

Step 3 Compare the thousands. $1,000 = 1,000$

Step 4 Compare the hundreds. $700 > 300$

Solution: $41,784 > 41,362$

Compare. Write $>$ or $<$ for each .

1. 689 639

2. $2,529$ $2,578$

3. $3,983$ $3,783$

4. $6,730$ $6,703$

5. $2,089$ $2,980$

6. $52,808$ $52,088$

7. $14,788$ $14,781$

8. $45,973$ $4,597$

9. $310,365$ $310,486$

10. $285,812$ $285,901$

11. $976,405$ $976,045$



Writing Math Jack is comparing two numbers. He thinks he should start from the right. Is he correct? Why or why not?



Name _____ Date _____

Compare and Order Whole Numbers Through Millions

CA Standards
KEY NS 1.2

Compare. Write $>$ or $<$ for each \bigcirc .

1. 718 \bigcirc 817

2. 7,439 \bigcirc 77,439

3. 341,762 \bigcirc 341,672

4. 78,487,231 \bigcirc 78,482,731

5. 323,332,223 \bigcirc 323,332,233

6. 73,773,737 \bigcirc 73,737,737

7. 99,011,032 \bigcirc 99,010,033

8. 617,860,446 \bigcirc 617,806,448

Test Practice

9. Jerry took 10,233 steps in one day. Anne took more steps than Jerry. Which amount could be the number of steps Anne took?

A 10,134

C 10,322

B 9,999

D 1,233

10. All of the following numbers are greater than 1,698,477 except which number?

A 1,700,000

C 6,984,777

B 1,698,488

D 1,698,467



Writing Math Jessica is comparing the numbers 5,553,402 and 5,554,937. She thinks she can tell which one is greater by looking in the hundred thousands place. Is she correct? Explain.



Name _____ Date _____

Compare and Order Whole Numbers Through Millions

CA Standards
KEY NS 1.2

Solve each problem.

1. The Appalachian Trail is about 11,484,000 feet long. The Pacific Crest Trail is about 13,992,000 feet long. Which is longer?

3. The North Country National Scenic Trail is about 24,288,000 feet long. Order the lengths of the North Country Trail, the Appalachian Trail, and the Pacific Crest trail from least to greatest.

5. Maxine and Sam biked for six hours a day for five days. When they stopped, Sam had gone 2,376,827 feet, and Maxine had gone 2,376,791 feet. Who went farther?

2. The Continental Divide Trail is about 16,368,000 feet long. The American Discovery Trail is about 35,904,000 feet long. Which trail is shorter?

4. Write the lengths of the North Country Trail, the American Discovery Trail, and the Pacific Crest Trail from greatest to least.

6. Dexter was riding with Maxine and Sam. He rode for four hours and went 2,376,970 feet, but he took an extra break to fix his bike after he had gone 1,150,000 feet. List the numbers of feet Sam, Maxine, and Dexter rode from least to greatest.



Name _____ Date _____

Compare and Order Whole Numbers Through Millions

CA Standards
KEY NS 1.2

Order 1,390,674 and 998,390 and 985,722 from least to greatest.

Line up the digits and find the greatest place where they differ.

1,390,674

998,390

985,722

The only number with a digit in the millions place is 1,390,674. It is the greatest number. The first place where the other two numbers differ is the ten thousands place: $8 < 9$, so $985,722 < 998,390$.

Solution: $985,722 < 998,390 < 1,390,674$

Compare. Write $>$ or $<$ for each .

1. $298,942$ $289,942$

2. $454,564$ $54,564$

3. $567,195,753$ $576,195,753$

4. $54,197,324$ $54,197,342$

5. $3,748,573$ $3,747,326$

6. $17,334,768$ $14,903,352$

Spiral Review

(Chapter 1, Lesson 4) **KEY** NS 1.1

7. Write 62,403,000 in expanded notation.

8. Write $20 + 90,000 + 400 + 4,000 + 5,000,000 + 6$ in standard form.

9. The Marris family's warehouse contains 10 apples, 7,000 bananas, 20,000 plums, 300 oranges, and 100,000 grapes. Write the total number of pieces of fruit in standard form.



Name _____ Date _____

Compare and Order Whole Numbers Through Millions

CA Standards
KEY NS 1.2

When ordering larger numbers, there are more places to compare. Using a place value chart can help.

Compare 9,583,802 and 9,591,664.

Millions			Thousands			Ones		
hundreds	tens	ones	hundreds	tens	ones	hundreds	tens	ones
		9	5	8	3	8	0	2
		9	5	9	1	6	6	4

Step 1 The millions are both 9.

Step 2 The hundred thousands are both 5.

Step 3 The ten thousands digits are 8 and 9.
STOP and compare.
 $9 > 8$

Solution: $9,591,664 > 9,583,802$

Compare. Write $>$ or $<$ for each .

1. $73,476$ $73,746$

2. $8,993,782$ $9,882,421$

3. $662,453,005$ $660,453,005$

4. $12,364,900$ $12,365,200$

5. $6,027,304$ $60,023,004$

6. $620,201,588$ $580,330,552$

Write the numbers in order from least to greatest.

7. $91,234$ $56,789$ $9,876$

8. $667,676,000$ $700,079,576$
 $677,000,214$



Writing Math Does counting the digits in each number ever help you figure out which one is greater? Explain.

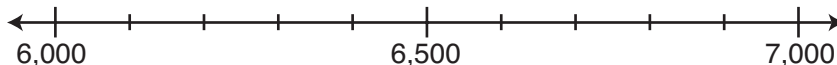


Name _____ Date _____

Round Whole Numbers

CA Standard
KEY NS 1.3

Use the number line to round each number to the nearest thousand.



1. 6,700

2. 6,287

3. 6,981

4. 6,492

Round each number to the place of the underlined digit.

5. 54,873

6. 78,365

7. 195,035

8. 287,498

Test Practice

Circle the letter of the correct answer.

9. The cash register at a restaurant showed \$782.65 in sales for Friday. Round that amount to the nearest ten dollars.

A \$790.00

C \$780.65

B \$780.70

D \$780.00

10 The owner of an olive grove rounds the number of olives he harvests to the nearest thousand. If he harvested 12,621 olives, what would be his rounded total?

A 12,000

C 1,200

B 10,000

D 13,000



Writing Math Is it true that if two numbers both round to 1,000 as their nearest thousand, the greatest possible difference between them is 499?



Name _____ Date _____

Round Whole Numbers

CA Standard
KEY NS 1.3

Solve each problem.

1. The tallest mountain in California is Mt. Whitney. It is 14,491 feet tall. Round its height to the nearest thousand.

3. A park ranger told David he has seen 2,361 birds so far this year. About how many birds has the ranger seen, rounded to the nearest thousand?

5. David asked the park ranger how old she was. She said, "When you round my age to the nearest 10, it's 30." What is the youngest age the ranger can be? What is the oldest?

2. David went bird watching and saw 17 birds. How many did he see, rounded to the nearest ten?

4. Look at Problem 3. How many birds has the park ranger seen this year, rounded to the nearest hundred?

6. Look at Problem 1. What is the height of Mt. Whitney, rounded to the nearest hundred? The nearest ten thousand?



Name _____ Date _____

Round Whole Numbers

CA Standard
KEY NS 1.3

Round the number 185,934 to the nearest thousand.

Find the place you want to round to.

185,936
↑
thousands place

The digit to its right is 5 or greater, so the digit in the rounded place increases.

185,934 rounds to 186,000.

Round each number to the place of the underlined digit.

1. 29,942

2. 842,049

3. 382,349

4. 879,923

5. 61,319

6. 56,932

7. 589,428

8. 258,299

Spiral Review

(Chapter 2, Lesson 2) **KEY** NS 1.2, **KEY** NS 1.1

9. Write these numbers in order from greatest to least. 34,050 35,050 34,500

10. Write these numbers in order from least to greatest.

690,172,349 699,074,213 69,010,342

11. Joshua Tree National Park covers 789,866 acres. Yosemite National Park covers 761,266 acres. Which park is larger?



Name _____ Date _____

Round Whole Numbers

CA Standard
KEY NS 1.3

To round numbers, look at the place value to the right of the one you are rounding to.

Round 1,352 to the nearest thousand.

Step 1 When you round a number, circle the digit you want to round to. Look at the digit to the right of the circled digit.

1,352 ①352
 ↑

Step 2 Follow the rounding rule. If the digit to the right of the circled digit is less than 5, do not change the circled digit. If it is 5 or greater, increase the circled digit by 1.

1,352 ①352
 ↑
 3 < 5, so the 1 is not changed.

Step 3 Change all of the digits to the right of the circled digit to zeros.

1,000

Solution: 1,352 rounded to the nearest thousand is 1,000.

Round each number to the place of the underlined digit.

1. 32,567

2. 200,001

3. 79

4. 750

5. 45,000

6. 879

7. 902

8. 3,251

9. 287

10. 372,183



Writing Math Julia says you can't round 1,500 to the nearest thousand, because 5 is exactly halfway between 0 and 10. What mistake is she making?



Name _____ Date _____

More on Rounding Whole Numbers

CA Standard
KEY NS 1.3

Round each number to the place of the underlined digit.

1. 1,384,792

2. 2,432,987

3. 200,988,083

4. 8,489,348

5. 902,784,893

6. 380,048,345

7. 39,571,660

8. 92,482,086

9. 75,099,600

Test Practice

Circle the letter of the correct answer.

10. The highest mountain in Death Valley National Park is 132,588 inches tall. About how tall is it, rounded to the nearest hundred?

A 133,000

C 132,600

B 600

D 100,000

11. What is 9,546,004 rounded to the nearest million?

A 10,000,000

C 9,000,000

B 900,000

D 600,000



Writing Math Thomas is rounding 98,453,087 to the nearest million. Does he need to look at the 0 in the hundreds place? Explain.



Name _____ Date _____

More on Rounding Whole Numbers

CA Standard
KEY NS 1.3

Solve each problem.

1. Point Reyes National Seashore has about 422,400 feet of coastline. How many feet is this, rounded to the nearest thousand?

3. The lighthouse at Point Reyes flashes once every five seconds, or 6,307,200 times in a year. About how many times does it flash in a year, rounded to the nearest hundred thousand?

5. There are 308 stairs in the lighthouse. The men who ran it had to go up about 9 times a day. They had to climb 2,772 steps a day and 1,011,780 steps a year. About how many steps did they go up in a year, rounded to the nearest hundred thousand?

2. One cubic inch of beach sand can have about 125,000 grains of sand in it. Round the number of grains to the nearest ten thousand.

4. The lighthouse ran for 105 years, which means it probably flashed about 662,256,000 times. Round that number to the nearest ten million.

6. One man worked in the lighthouse for 24 years. He probably went up 24,282,720 steps. In the 105 years the lighthouse ran, the workers went up 106,236,900 steps. How many steps did the workers take in all, rounded to the nearest hundred million?



Name _____ Date _____

More on Rounding Whole Numbers

CA Standard
KEY NS 1.3

Round the number 304,401,882 to the nearest million.

Underline the digit you are rounding to. Circle the digit to the right of it.

304,**4**01,882

The circled digit is less than 5, so the underlined digit does not change. All the digits to the right of it change to 0.

Solution: 304,401,882 rounds to 304,000,000.

Round each number to the place of the underlined digit.

1. 3,475,289

2. 103,973,677

3. 70,980,753

4. 835,900,672

5. 22,299,409

6. 111,009,485

7. 48,007,878

8. 628,062,200

9. 52,873,001

Spiral Review

(Chapter 1, Lessons 2 and 3) **KEY** NS 1.1, NS 1.0

10. Write the number 209,399 in word form.

11. Write the number sixty-four thousand, four hundred two in standard form.

12. Death Valley National Park covers 3,372,402 acres. What is the value of the 7 in that number?



Name _____ Date _____

Problem Solving: Make an Organized List

CA Standards
MR 2.3, KEY NS 1.3

Problems 21–23

Complete the table and use the information to answer.

The Hillsboro Elementary School had a bake sale to raise money for their class picnic. They sold 76 fruit roll-ups, 135 granola bars, 107 carrot muffins, and 85 slices of banana bread. The students earned \$81.00 for the granola bars, \$34.00 for the banana bread, \$75.00 for the muffins, and \$22.80 for the fruit roll-ups.

Item	Number Sold	Number Sold Rounded to Nearest Tenth	Money Earned	Money Earned Rounded to Highest Place
1.	2.	3.	4.	5.
6.	7.	8.	9.	10.
11.	12.	13.	14.	15.
16.	17.	18.	19.	20.

21. About how many items did the students sell?

22. Put the items in order according to the amounts the students earned from greatest to least.

23. About how much did the students earn at the bake sale?



Name _____ Date _____

Problem Solving: Make an Organized List

CA Standards
MR 2.3, **KEY** NS 1.3

**Make an organized list to help you solve each problem.
Show your list.**

Tim's family is on vacation. On Monday they drove 276 miles. On Tuesday they drove 342 miles. The next day they drove 412 miles. The last day they drove 237 miles.

- | | |
|--|---|
| <p>1. What day of the week was the last day of Tim's family's vacation?</p> <p>_____</p> | <p>2. To the nearest ten, about how many miles did they drive on days that begin with <i>T</i>?</p> <p>_____</p> |
| <p>3. Put the days of the week in order according to the number of miles driven each day from least to greatest.</p> <p>_____</p> <p>_____</p> | <p>4. Put the number of miles driven each day in order from greatest to least.</p> <p>_____</p> |
| <p>5. To the nearest ten, about how many more miles did the family drive on Tuesday and Wednesday than on Monday and Thursday?</p> <p>_____</p> | <p>6. How many more miles did the family drive on the last two days of their vacation than on the first two days?</p> <p>_____</p> |



Name _____ Date _____

Problem Solving: Make an Organized List

CA Standards
MR 2.3, **KEY** NS 1.3

Burlington Elementary School had a general assembly at 10 A.M. on Tuesday. The assembly was attended by 116 first graders, 98 second graders, 162 third graders, and 139 fourth graders. About how many students attended the assembly altogether?

Step 1 Make a table of the important information in the problem.

Grade	Number of Students	Number of Students Rounded to Highest Place
1	116	100
2	98	100
3	162	200
4	139	100

Step 2 Round each number from the Number of Students column.

Solution: $100 + 100 + 200 + 100 = 500$ students

Solve.

- To the nearest *tenth*, about how many students attended the general assembly at Burlington Elementary? Complete the table to find the answer.

Grade	Number of Students	Number of Students Rounded to Highest Place
1		
2		
3		
4		

Spiral Review (Chapter 1, Lessons 1 and 3) **KEY NS 1.1**

Write the number in standard form.

- eight hundred ninety million, six hundred twenty-four thousand, one hundred six
-



Name _____ Date _____

Problem Solving: Make an Organized List

CA Standard
MR 2.3, **KEY** NS 1.3

Read It Look for information.

A newspaper headline said that over 900 cans of food were collected during a food drive. Tanglewood School collected 323 cans. Jackson School collected 438 cans. Park Street School collected 189 cans. Is the headline reasonable?

Organize It Make a table of important information.

- Complete the table with the information from the problem.

School Name	Number of Cans
Tanglewood	_____
Jackson	_____
Park Street	_____

Solve It Use the table to solve the problem.

- Find the estimated number of cans each school collected by rounding.

Tanglewood: 323

Jackson: 439

Park Street: 189

—————> _____

—————> _____

—————> _____

- Add to find out if your answer is reasonable.

$$300 + 400 + 200 = \underline{\hspace{2cm}}$$