

7 Read, Write, and Compare Whole Numbers

Guided Instruction

In this lesson you will learn how to read, write, and compare whole numbers.

Understand: Names for whole numbers

Kendra is reading her report about Mount Everest aloud. The height of Mount Everest is 29,035 feet. How should Kendra read this number?

To find how Kendra should read the number, write the number 29,035 in a place-value chart.

To read a number of thousands or greater, read each group of digits. A period is a group of 3 places. For example in the chart below, the periods are the thousands period, and the ones period. A comma usually separates periods.

Thousands			Ones		
hundreds	tens	ones	hundreds	tens	ones
	2	9	0	3	5

Read the total number of thousands written before the comma or in the thousands period:

numeral
29,035

number name
twenty-nine thousand

The ones period groups the values less than 1,000. Read the total value of the ones group of digits.
29,035
thirty five

➤ Kendra can read 29,035 as *twenty-nine thousand, thirty five*.

✎ Write the numeral for *six hundred fifteen thousand, two hundred one* and the numeral for *fifty-two thousand, forty-nine*.

Guided Instruction

Understand: Numbers in expanded form

You can think about the height of Mount Everest in another way. Use the expanded form to see the value of each digit in 29,035.

You can also write a number in expanded form. The expanded form of a number shows the value of each digit. Find the value of each digit in 29,035.

Remember

Multiply a digit by its place value to find its value.

2	9	0	3	5
20,000	9,000	0	30	5

$$29,035 = 20,000 + 9,000 + 30 + 5$$

➤ The expanded form of 29,035 is $20,000 + 9,000 + 30 + 5$.

Understand: Comparisons of whole numbers

The height of Mount McKinley is 20,320 feet. Which mountain is taller, Mount McKinley or Mount Everest?

To compare numbers, first line up the digits by place value. You can use a place-value chart to help.

	Mount McKinley			Mount Everest		
	hundreds	tens	ones	hundreds	tens	ones
Mt. Everest		2	9	0	3	5
Mt. McKinley		2	0	3	2	0

Compare the digits in each place, starting with the greatest place. Stop in the first place where the digits are different.

Ten thousands: $2 = 2$

Thousands: $9 > 0$

29,035 has the greater number of thousands, so $29,035 > 20,320$.

➤ Mount Everest is taller than Mount McKinley.

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Guided Instruction

Connect: Represent and compare whole numbers

A radio announcer says that two hundred fifteen thousand, four hundred seven people lost power in a storm. A news article reported that 215,470 people lost power. How do these numbers compare?

Write the numbers in the same form and then compare them.



Write this number name in standard form:
two hundred fifteen thousand, four hundred seven.

Write the total number of thousands: 215.

Write the total number of ones given after the comma: 407.

Now write the full number with a comma: 215,407.

215,407 is not the same as 215,470, the number from the news article.



To see why the numbers are different, write them in expanded form. Find and list the values of the digits in each number.

215,407 $200,000 + 10,000 + 5,000 + 400 + 0 + 7$

215,470 $200,000 + 10,000 + 5,000 + 400 + 70 + 0$

There are different numbers of tens and ones.



Compare the numbers. Line up the digits by place value and stop in the first place where the digits are different.

215,407 0 tens is less than 7 tens: $0 < 7$.

215,470

215,407 has fewer tens than 215,470.

215,407 $<$ **215,470**.

Read Aloud: Read aloud 215,470, the number from the news article. Write the number name.

Guided Practice

Fill in the blanks to write the number in a different form.

1. 21,109

number name: _____ one _____, one _____ nine

2. 492,013

number name: _____ hundred _____ thousand, _____

3. sixty-three thousand, eight hundred fifty two

numeral: _____

4. five hundred fourteen thousand, three hundred three

numeral: _____

5. 89,780

expanded form: _____ + 9,000 + _____ + _____

6. 307,326

expanded form: _____ + _____ + _____ + _____ + _____ + _____

Write $<$, $=$, or $>$ to compare the numbers.

7. 6,589 _____ 6,928

8. 21,807 _____ 20,931

9. 37,146 _____ 37,146

10. 458,923 _____ 459,823

Think Pair Share

MP1 11. Extend the place-value chart on page 64 to show 21,385,604. Be sure to label the millions period. Explain the value of each digit.

Independent Practice

Fill in the blanks to write each number in three forms. Look at all three forms to find the information you need.

1. 68,223

sixty-_____ thousand, two _____ twenty three

_____ + 8,000 + 200 + _____ + 3

2. 104, _____

one hundred _____, eight hundred _____

_____ + 4,000 + _____ + 10 + 6

3. 98 _____, _____ 31

_____ eighty-five _____, thirty one _____

_____ + _____ + 5,000 + _____ + 1

Circle the correct answer.

4. Which is the number name for 712,358?

- a. seven hundred thousand twelve, three fifty eight
 b. seventy one thousand, twenty-three hundred fifty-eight
 c. seven hundred twelve thousand, three hundred fifty eight
 d. seven hundred twelve thousand, thirty-five hundred eight

5. Which of these is a different number from the others?

- a. 42,211
 b. 40,000 + 2,000 + 200 + 1
 c. 4 ten thousands + 2 thousands + 2 hundreds + 1 one
 d. forty-two thousand, two hundred one

6. Which of these shows one million?

- a. 10,000
 b. 100,000
 c. 1,000,000
 d. 100,000,000

Independent Practice

Write the given number in two other forms.

7. 33,410

expanded form: _____ + _____ + _____ + _____ + _____

number name: _____

8. 200,000 + 80,000 + 4,000 + 90 + 9

numeral: _____

number name: _____

Name the first place where the digits in both numbers are different. Then write $<$, $=$, or $>$ to compare the numbers.

9. 49,603
57,213

49,603 _____ 57,213

64,819 _____ 64,547

11. 12,213
9,547

12,213 _____ 9,547

861,070 _____ 197,687

Write $<$, $=$, or $>$ to compare the numbers. Circle the first digit that is different in the number pairs.

13. 3,526 _____ 3,526

14. 99,287 _____ 89,999

15. 28,843 _____ 28,871

16. 740,489 _____ 739,501

Independent Practice

Use place values in your explanation.

MP3 **17.** Colin is taking notes in class. The teacher says the number *eighty-five thousand, sixty two*. Colin writes *85,602* in his notebook. Explain the mistake Colin made.

MP6 **18.** Mara says that 28,597 is greater than 101,200 because 2 is greater than 1. Is Mara correct? Explain your answer.

Solve the problems.

MP8 **19.** James counts the number of times his heart beats in one minute. He figures out that his heart beats about 125,280 times in one day. What is 125,280 in expanded form?

Show your work.

Answer _____

MP7 **20.** Lucia says that sixteen thousand, two hundred seventeen has fewer tens than sixteen thousand, one hundred forty eight. What is the difference in the number of tens for these numbers?

Show your work.

Answer _____

Independent Practice

For exercises 21–24, use the table at the right.

MP2 **21.** Humberto writes the area of each state shown in the table in expanded form. Which two states have the same number of thousands in their expanded forms?

Show your work.

State	Land Area (square miles)
Arizona	113,634
California	155,959
Colorado	103,717
Kansas	81,815

Answer _____

MP6 **22.** Laurel reads the area of Arizona as *one hundred three thousand, six hundred thirty four* square miles. Which area has a greater number of ten thousands, Laurel's or the area in the table?

Show your work.

Answer _____

MP7 **23.** Max knows that one state definitely has the least area, just by looking at the table. Which state is Max thinking of?

Answer _____

Justify your answer using words, drawings, or numbers.

MP2 **24.** After Max identifies the state with the least area, he compares the areas of the three other states shown. Which place in the numbers will tell Max which state has the greatest area?

Answer place _____

state _____

Justify your answer using words, drawings, or numbers.

8 Apply Place Value to Round Whole Numbers

Guided Instruction

In this lesson you will learn how to round to any place in a whole number.

Understand: The numbers you use to round

In one day, 56,147 people watch a video of the baby panda at the zoo. Lily says that 56,147 is about 60,000 people. Is this a reasonable estimate?

To find an estimate for 56,147, you can round the number.

The greatest place in 56,147 is ten thousands. Between which two ten thousands is 56,147 the closest? You can make a number line to help.

$$50,000 < 56,147 < 60,000$$

To find which ten thousand 56,147 is nearer to, you can use the number line or compare the digits.

Use the number line:

Mark the number that is exactly halfway between 50,000 and 60,000: 55,000. On the number line, 56,147 is to the right of 55,000, the halfway mark. Since 56,147 is nearer to 60,000 than to 50,000, round 56,147 up to 60,000.

Compare the digits: $56,147 \quad 6 > 5$
55,000

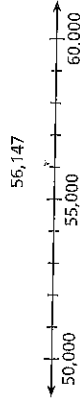
Look at the digit to the right of the place to which you are rounding, in this case the thousands place. If it is 5 or greater, then round up.

Since 6 thousands is greater than 5 thousands, 56,147 is greater than 55,000. Then 56,147 is nearer to 60,000 than to 50,000.

Yes, 60,000 is a reasonable estimate for 56,147 people.

What place can you round 56,147 to for a closer estimate?

Essential Question:
How can place value help you round to different places in a whole number?



Guided Instruction

Connect: What you know about rounding and closer estimates

The zoo gives a free panda poster to visitors each Saturday. Last Saturday, 4,532 people visited the zoo. If approximately the same number of people visit each Saturday, estimate the number of posters the zoo should have ready to give out this Saturday.

You can use place value to round a number to different places.

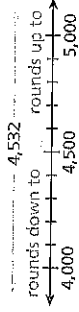


For a first estimate, look at the digit in the greatest place in the number.

The 4 in 4,532 is in the thousands place. Round to the nearest thousand.

$$4,000 < 4,532 < 5,000$$

To find which thousand 4,532 is nearer to, compare it to the halfway mark. The number that is halfway between 4,000 and 5,000 is 4,500.



To round to the nearest thousand, compare the hundreds digit in 4,532 to the hundreds digits in 4,500; $5 = 5$

4,532 has the same number of hundreds as 4,500, the number halfway between 4,000 and 5,000.

So 4,532 rounds up to 5,000.

Remember!

If the digit to the right of the place to which you are rounding is 5 or greater, round up.



To find a closer estimate, you can round 4,532 to the hundreds place.

The next closest hundred to 4,500 is 4,600. 4,550 is the number halfway between 4,500 and 4,600.

To round to the nearest hundred, compare the tens digit in 4,532 to the tens digit in 4,550: $3 < 5$

So rounding to the nearest hundred, 4,532 rounds down to 4,500.

Depending on which place value you estimated to, the zoo should have about 5,000 or 4,500 posters ready to give out on Saturday.

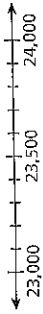
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Guided Practice

Round each number to the underlined place. You can use the number line to help.

1. 23,485



3 is in the place.

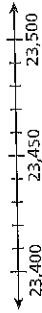
The closest thousands are and 24,000.

Compare the hundreds digit in 23,485 to the 5 hundreds in .

4 5

23,485 rounds to .

2. 23,485



4 is in the place.

 < 23,485 <

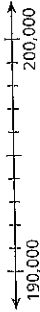
Compare the digit in 23,485 to the tens in .

8 5

23,485 rounds to .

For exercises 3–5, use the number line at the right.

3. What number is exactly halfway between 190,000 and 200,000?



4. Write four numbers that can be rounded up to 200,000.

5. Write four numbers that can be rounded down to 190,000.

Guided Practice

Round each number to the underlined place. Write the numbers you can round to. Then circle the correct rounded number.

6. < 6,742 < 7,000

7. < 12,099 < 20,000

8. < 38,250 < 39,000

9. < 545,123 <

For exercises 10 and 11, you can use a number line.

10. Ross is going to Australia to visit his grandparents. The airline says the distance between Boston and Brisbane is 9,773 miles. What is a reasonable estimate for this distance? Explain your answer.

11. Audrey read that the area of a new shopping mall is 57,600 square feet. What are the greatest and least possible actual areas of the mall if 58,000 square feet is an estimate to the nearest thousand?

Think, Pair, Share

MP4 12. Toni draws a number line and uses it to round 83,768 to the nearest ten thousand. Then she decides to round 83,768 to the nearest thousand. Show how Toni can use the same number line to do this?

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Independent Practice

Round the number to the underlined place. You can use the number line to help.

1. 52,143

2 is in the _____ place.

The closest thousands are _____ and _____.

Compare the _____ digit in 52,143 to the _____ in _____.

1 _____ 5

52,143 rounds _____ to _____.

Round each number to the underlined place. Label the number line to show the numbers you are using.

2. 3,325



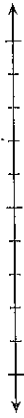
Answer _____

3. 45,918



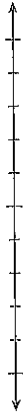
Answer _____

4. 67,472

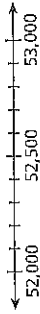


Answer _____

5. 208,366



Answer _____



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Independent Practice

Match the number with the estimate rounded to the underlined place. Write the letter of the correct estimate.

Estimates

a. 717,000

b. 720,000

c. 700,000

d. 716,500

Round each number to the given place.

10. 10,401 to the thousands place

11. 26,792 to the ten thousands place

12. 48,638 to the thousands place

13. 84,151 to the hundreds place

14. 447,950 to the hundred thousands place

15. 625,099 to the ten thousands place

16. 773,646 to the thousands place

17. 998,979 to the hundreds place

Solve the problems.

18. A restaurant owner is ordering supplies for the week. Last week, she ordered 1,458 pounds of potatoes. Which is the best estimate for this number?

a. 1,000 pounds

b. 1,400 pounds

c. 1,500 pounds

d. 2,000 pounds

19. Chung's family is hiking all 2,184 miles of the Appalachian Trail. He estimates the trail length as 2,000 miles. Which estimate will better help the family make sure that they bring enough supplies?

a. 1,000 miles

b. 2,100 miles

c. 2,200 miles

d. 3,000 miles

Independent Practice

MP5 20. The local news says that ticket sales for a new movie were \$256,500 on Friday night, \$421,000 on Saturday, and \$301,850 on Sunday. Do you think these numbers are estimates or exact amounts? Explain.

MP6 21. Does it make sense to round a six-digit number to the tens place? Explain your answer with an example.

Solve the problems.

MP2 22. At a carnival, Jenn correctly guesses the exact number of pennies in a jar as 124,983. The closest guess the day before was 124,983 rounded to the hundreds place. What was this guess?

Show your work.

Answer _____

MP8 23. A store owner is adding \$5,641 and \$5,238 to find his total sales for the past two days. He rounds each amount to the nearest hundred dollars and then adds the rounded numbers. What is the store owner's estimated total sales amount?

Show your work.

Answer _____

Independent Practice

MP1 24. Victor estimates the sum of 289 and 532 in two ways. First he rounds both numbers and then adds them. Then he adds the exact numbers and rounds the sum. Both methods give him the same final number, but he gets a different answer when he rounds to a different place. What two estimated sums does Victor find?

Show your work.

Answer _____

MP7 25. Ben and Lisa round the same number to different places. Ben rounds to the nearest ten thousand and gets 70,000. Lisa rounds to the nearest thousand and gets 68,000. If they both rounded correctly, what are the greatest and least possible numbers they could have rounded?

Show your work.

Answer _____

MP3 26. An Arctic tern can fly more than 43,496 miles as it migrates each year. Round this number to the nearest ten thousand miles. Then round 43,496 miles to the place of your choice for a better estimate.

Answer _____

Justify your answer using words, drawings, or numbers.

MP8 27. Owen incorrectly rounds 384,478 to the thousands place by rounding in three steps. He rounds to the nearest ten first, and then rounds two more times until he reaches 385,000. Is it possible that Owen rounded correctly at each step, even though his final estimate is wrong?

Answer _____

Justify your answer using words, drawings, or numbers.

9 Add and Subtract Fluently with Whole Numbers

Guided Instruction

In this lesson you will learn the standard algorithms for adding and subtracting using place value.

Understand: Place value and addition

One report states that scientists have discovered 307,674 different kinds of plants and 64,283 kinds of vertebrates, or animals with a backbone. How many different kinds of plants and vertebrates are there altogether?

To find the sum of 307,674 and 64,283, you can add. Align the digits by place value.

$$\text{Add the ones: } 4 + 3 = 7.$$

$$\text{Add the tens: } 7 + 8 = 15.$$

15 tens is the same as

1 hundred 5 tens.

Regroup 15 tens as 1 hundred 5 tens.

Write the 1 hundred above the hundreds place, and write the 5 tens in the sum.

Keep adding the digits in each place, regrouping whenever the sum for that place is 10 or greater.

$$\text{Add the hundreds: } 1 + 6 + 2 = 9$$

$$\text{Add the thousands: } 7 + 4 = 11.$$

11 thousands is the same as

1 ten thousand 1 thousand.

Regroup 11 thousands as 1 ten thousand 1 thousand.

$$\text{Add the ten thousands: } 1 + 0 + 6 = 7$$

There is nothing to add to the 3 hundred thousands, so write 3 in the sum.

There are 371,957 different kinds of plants and vertebrates altogether.

Essential Questions:
How can you add and subtract whole numbers efficiently?

Remember

You can only write one digit for each place of the sum.

$$\begin{array}{r} 1 \\ 307,674 \\ + 64,283 \\ \hline 57 \end{array}$$

$$\begin{array}{r} 1 \\ 307,674 \\ + 64,283 \\ \hline 1,957 \end{array}$$

$$\begin{array}{r} 1 \\ 307,674 \\ + 64,283 \\ \hline 371,957 \end{array}$$

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Guided Instruction

Understand: Subtraction and regrouping

Spiders, scorpions, and other animals with eight legs are called *arachnids*. The report also states that there are 102,248 kinds of arachnids. How many more kinds of arachnids are there than the 64,283 kinds of vertebrates?

To find how many more kinds of arachnids there are, start by estimating the difference. This estimate will allow you to judge the reasonableness of your exact answer.

$$102,248 - 64,283$$

$$100,000 - 64,000 = 36,000$$

Next align the digits by place value. Subtract in each place.

$$\text{Start with the ones: } 8 - 3 = 5.$$

To subtract 4 tens — 8 tens, more tens are needed. Regroup.

$$\begin{array}{r} 102,248 \\ - 64,283 \\ \hline 75 \end{array}$$

Regroup 2 hundreds 4 tens as 1 hundred 14 tens.

Then subtract: $14 - 8 = 6$.

$$\begin{array}{r} 1 \\ 102,248 \\ - 64,283 \\ \hline 65 \end{array}$$

Since you must subtract 1 hundred — 2 hundreds, regroup the thousands:

$$\begin{array}{r} 11114 \\ 102,248 \\ - 64,283 \\ \hline 965 \end{array}$$

2 thousands 1 hundred as 1 thousand 11 hundreds.

Then subtract the hundreds: $11 - 2 = 9$

To subtract 1 thousand — 4 thousands, regroup ten thousands:

$$\begin{array}{r} 911114 \\ 102,248 \\ - 64,283 \\ \hline 965 \end{array}$$

10 ten thousands 1 thousand as 9 ten thousand 11 thousands.

Subtract the thousands: $11 - 4 = 7$

Now subtract the ten thousands: $9 - 6 = 3$

$$\begin{array}{r} 911114 \\ 102,248 \\ - 64,283 \\ \hline 37,965 \end{array}$$

37,965 is close to the estimate of 36,000 so the exact answer is reasonable.

There are exactly 37,965 more kinds of arachnids than vertebrates.

Guided Instruction

Connect: Subtraction and addition

Sometimes scientists disagree over their findings. One report says that there are 310,129 kinds of plants instead of 307,674. What is the difference between the number of plants?

Subtract to find the difference between the number of plants. Then add to check.

Steps

To subtract, align the digits by place value.
 Subtract the ones: $9 - 4 = 5$.
 Regroup hundreds and tens.
 Subtract the tens.

Regroup thousands and hundreds as needed.
 Subtract the hundreds.

Subtract the thousands.
 Subtract the ten thousands.
 Subtract the hundred thousands.
 $310,129 - 307,674 = 2,455$

Check

You can add to check your answer.
 If the sum is the number you started with, then you subtracted correctly.

The difference between the number of plants is 2,455.

Now Try You know that $10,000 - 1 = 9,999$. Show the regrouping that is needed to find the answer.

Remember!

The expanded form of a number shows the values of all its digits.
 $310,129 = 300,000 + 10,000 + 100 + 20 + 9$

Remember!

Addition and subtraction are inverse operations.

Guided Practice

For each step in exercises 1–4, write the missing digits to add or subtract.

1.
$$\begin{array}{r} \square \\ 3584 \\ + 2456 \\ \hline \square \end{array}$$

$$\begin{array}{r} \square \\ 3584 \\ + 2456 \\ \hline 6\square40 \end{array}$$

2.
$$\begin{array}{r} \square \\ 46179 \\ + 38644 \\ \hline \square \end{array}$$

$$\begin{array}{r} \square \\ 46179 \\ + 38644 \\ \hline \square\square\square23 \end{array}$$

3.
$$\begin{array}{r} \square \\ 53785 \\ - 14381 \\ \hline \square \end{array}$$

$$\begin{array}{r} \square \\ 53785 \\ - 14381 \\ \hline \square9374 \end{array}$$

4.
$$\begin{array}{r} 80092 \\ - 66571 \\ \hline \square \end{array}$$

Regroup to make hundreds.

$$80,000 = 70,000 + \square$$

$$10,000 = 9,000 + \square$$

$$1,000 = \square \text{ hundreds}$$

Think Pair Share

5. To understand the problem at the right, Hunter writes the numbers in expanded form. How can Hunter regroup to keep subtracting and finish the problem?

$$\begin{array}{r} 7034 \\ - 5653 \\ \hline \square \end{array}$$

$$\begin{array}{r} 7,000 + \square + 30 + 4 \\ - 5,000 + 600 + 50 + 3 \\ \hline \square \end{array}$$

Independent Practice

Write the missing digits to complete each exercise.

1.
$$\begin{array}{r} \square \\ 7,360 \\ +1,459 \\ \hline 8, \square 1 \square \end{array}$$

2.
$$\begin{array}{r} \square \square \\ 8,548 \\ +8,934 \\ \hline \square \square 4 \square 2 \end{array}$$

3.
$$\begin{array}{r} \square \square \square \\ 5,2726 \\ +4,4976 \\ \hline \square \square \square \square 2 \end{array}$$

4.
$$\begin{array}{r} \square \square \square \\ 6,7 \cancel{3} 9 \\ -2,683 \\ \hline 4,0 \square \square \end{array}$$

5.
$$\begin{array}{r} \square \square \square \\ 9,2 \cancel{8} \cancel{7} \\ -2,148 \\ \hline 7, \square 1 \square \end{array}$$

6.
$$\begin{array}{r} \square \square \square \square \\ \cancel{4} \cancel{4} \cancel{3} \cancel{0} \\ -15,461 \\ \hline 2 \square \square \square 9 \end{array}$$

Add or subtract to check your answers.

7.
$$\begin{array}{r} \square \square \\ 7,149 \\ +2,148 \\ \hline 9,2 \square \square \end{array}$$

8.
$$\begin{array}{r} \square \square \square \square \\ \cancel{7} \cancel{7} \cancel{7} \cancel{7} \\ -8,934 \\ \hline \square \square 5 \square 8 \end{array}$$

9.
$$\begin{array}{r} \square \square \square \square \\ 9 \cancel{7} \cancel{7} \cancel{0} \cancel{7} \\ -4,4976 \\ \hline 5 \square \square 7 \square 6 \end{array}$$

Estimate each sum. Then find the actual sum. Show how you regroup.

10. Estimate:
$$\begin{array}{r} 38,434 \\ +2,575 \\ \hline \end{array}$$

11. Estimate:
$$\begin{array}{r} 59,149 \\ +52,612 \\ \hline \end{array}$$

12. Estimate:
$$\begin{array}{r} 223,458 \\ +198,837 \\ \hline \end{array}$$

13. Estimate:
$$\begin{array}{r} 464,772 \\ +257,432 \\ \hline \end{array}$$

Independent Practice

Estimate each difference. Then find the actual difference. Show how you regroup.

14. Estimate:
$$\begin{array}{r} 9,185 \\ -3,964 \\ \hline \end{array}$$

15. Estimate:
$$\begin{array}{r} 17,268 \\ -12,970 \\ \hline \end{array}$$

16. Estimate:
$$\begin{array}{r} 640,593 \\ -285,406 \\ \hline \end{array}$$

17. Estimate:
$$\begin{array}{r} 500,642 \\ -371,351 \\ \hline \end{array}$$

For problems 18-19, use the table at the right.

MP1 18. Naomi says the combined depth of the Southern Ocean and Arctic Ocean is less than the depth of the Pacific Ocean. Estimate and then find the combined depth. Is Naomi correct?

Ocean	Depth in feet
Pacific	36,198
Atlantic	30,246
Southern	23,736
Arctic	18,456

Answer _____

MP2 19. Vince wants to know how much deeper the Atlantic Ocean is than the Southern Ocean. What is the difference between the greatest depths of the two oceans?

Answer _____

MP7 20. Naomi rounds the greatest depth of the Pacific Ocean to 36,200 feet. The deepest a scuba diver has gone underwater is 1,044 feet. What is the difference between the two depths?

Answer _____

Independent Practice

MP7 21. Michael made a mistake while subtracting.
 What mistake did Michael make?

$$\begin{array}{r} 5,543 \\ -4,895 \\ \hline 1,352 \end{array}$$

MP6 22. Rosie says that when you regroup while adding, the amount that you add to the next place to the left will always be 1. Is Rosie correct? Explain.

For problems 23–26, use the table at the right.
 Use addition or subtraction to check your answer.

Month	Number of Visitors
May	85,628
June	97,134
July	101,942
August	123,291
September	64,417

MP1 23. How many people visited the aquarium in May and June?

Show your work.

Answer _____

MP1 24. How many visitors went to the aquarium in June, July, and August?

Show your work.

Answer _____

Independent Practice

MP1 25. How many more visitors went to the aquarium in August than in June?

Show your work.

Answer _____

MP2 26. What is the difference between the greatest and least numbers of visitors to the aquarium in one month?

Show your work.

Answer _____

MP6 27. Trey is teaching his brother how to add.

Here is how his brother added.

$$\begin{array}{r} 11111 \\ 123,456 \\ +123,456 \\ \hline 357,913 \end{array}$$

Is Trey's brother's work correct? If not, what mistake did Trey's brother make?

Answer _____

Show your answer using words, drawings, or numbers.

MP3 28. Trey says that before you subtract, you can regroup all of the values that you need to at once. Does this method give you the same difference as when you regroup one place at a time, while you subtract?

Answer _____

Show your answer using words, drawings, or numbers.

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