

School-Home Letter

Dear Family,

During the next few weeks, our math class will be learning how to use and represent whole numbers through the hundred thousands place. We will also be adding and subtracting multi-digit numbers.

You can expect to see homework that provides practice with naming numbers in different ways, as well as rounding and estimating greater numbers.

Here is a sample of how your child will be taught to write numbers in different forms.

Vocabulary

estimate A number that is close to the exact amount

expanded form A way to write numbers by showing the value of each digit

period Each group of three digits separated by commas in a multi-digit number

round To replace a number with another number that tells about how many or how much

standard form A way to write numbers using the digits 0–9 with each digit having a place value

word form A way to write numbers by using words

MODEL Place Value Through Hundred Thousands

This is how we will be writing numbers in different forms.

| THOUSANDS | | | ONES | | |
|-----------|------|------|----------|------|------|
| Hundreds | Tens | Ones | Hundreds | Tens | Ones |
| 2 | 8 | 1, | 3 | 6 | 5 |

STANDARD FORM:

281,365

WORD FORM:

two hundred eighty-one thousand, three hundred sixty-five

EXPANDED FORM:

$200,000 + 80,000 + 1,000 + 300 + 60 + 5$

Tips

Rounding Greater Numbers

When rounding, first find the place to which you want to round. Then, 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 is *5 or greater*, the digit in the rounding place increases by 1. All the digits to the right of the rounding place change to zero.

Carta para la casa

Querida familia,

Durante las próximas semanas, en la clase de matemáticas aprenderemos cómo usar y representar números enteros hasta las centenas de millar. También vamos a sumar y restar números de varios dígitos.

Llevaré a la casa tareas que sirven para practicar diferentes maneras de expresar los números, además de redondear y estimar números mayores.

Este es un ejemplo de la manera como aprenderemos a expresar números de diferentes formas.

Vocabulario

estimación Un número que se aproxima a una cantidad exacta

forma desarrollada Una manera de escribir números que muestra el valor de cada dígito

periodo En un número de varios dígitos, cada grupo de tres dígitos separado por comas

redondear Reemplazar un número con otro que muestra una aproximación de cuánto o cuántos

forma estándar Una manera de escribir números usando los dígitos 0 a 9, en la que cada dígito tiene un valor posicional

en palabras Una manera de escribir números usando palabras



MODELO

Valor posicional hasta las centenas de millar

Así es como escribiremos números de diferentes formas.

| MILLARES | | | UNIDADES | | |
|----------|---------|----------|----------|---------|----------|
| Centenas | Decenas | Unidades | Centenas | Decenas | Unidades |
| 2 | 8 | 1, | 3 | 6 | 5 |

FORMA NORMAL:

281,365

EN PALABRAS:

doscientos ochenta y un mil, trescientos sesenta y cinco

FORMA DESARROLLADA:

$200,000 + 80,000 + 1,000 + 300 + 60 + 5$

Pistas

Redondear números grandes

Cuando se redondea, primero se halla el lugar al que se quiere redondear. Después, se debe mirar el dígito que está a la derecha. Si el dígito a la derecha es *menor que 5*, el dígito en el lugar del redondeo se queda igual. Si el dígito es *5 o mayor*, el dígito en el lugar del redondeo aumenta en 1. Todos los dígitos a la derecha del lugar del redondeo cambian a cero.

Name _____

Model Place Value Relationships

COMMON CORE STANDARD CC.4.NBT.1

Generalize place value understanding for multi-digit whole numbers.

Find the value of the underlined digit.

1. 6,035
30

2. 43,782
700

3. 506,087
7

4. 49,254
9,000

5. 136,422
30,000

6. 673,512
500

7. 814,295
800,000

8. 736,144
6,000

Compare the values of the underlined digits.

9. 6,300 and 530
The value of 3 in **6,300** is **10** times
the value of 3 in **530**.

10. 2,783 and 7,283
The value of 2 in **2,783** is **10** times
the value of 2 in **7,283**.

11. 34,258 and 47,163
The value of 4 in **47,163** is **10** times
the value of 4 in **34,258**.

12. 503,497 and 26,475
The value of 7 in **26,475** is **10** times
the value of 7 in **503,497**.

Problem Solving

Use the table for 13–14.

13. What is the value of the digit 9 in the attendance at the Redskins vs. Titans game?
9,000

14. The attendance at which game has a 7 in the ten thousands place?
Ravens vs. Panthers

| Football Game Attendance | |
|--------------------------|------------|
| Game | Attendance |
| Redskins vs. Titans | 69,143 |
| Ravens vs. Panthers | 73,021 |
| Patriots vs. Colts | 68,756 |

Lesson Check (CC.4.NBT.1)

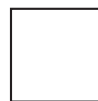
- During one season, a total of 453,193 people attended a baseball team's games. What is the value of the digit 5 in the number of people?
 - (A) 500
 - (B) 5,000
 - (C) 50,000
 - (D) 500,000
- Hal forgot the number of people at the basketball game. He does remember that the number had a 3 in the tens place. Which number could Hal be thinking of?
 - (A) 7,321
 - (B) 3,172
 - (C) 2,713
 - (D) 1,237

Spiral Review (Reviews CC.3.OA.7, CC.3.NF.1, CC.3.MD.1, CC.3.G.1)

- Hot dog buns come in packages of 8. For the school picnic, Mr. Spencer bought 30 packages of hot dog buns. How many hot dog buns did he buy? (Grade 3)
 - (A) 24
 - (B) 38
 - (C) 110
 - (D) 240
- There are 8 students on the minibus. Five of the students are boys. What fraction of the students are boys? (Grade 3)
 - (A) $\frac{3}{8}$
 - (B) $\frac{5}{8}$
 - (C) $\frac{5}{5}$
 - (D) $\frac{8}{8}$
- The clock below shows the time when Amber leaves home for school. At what time does Amber leave home? (Grade 3)
- Jeremy drew a polygon with four right angles and four sides with the same length.



- (A) 2:41
- (B) 8:02
- (C) 8:10
- (D) 8:20



What kind of polygon did Jeremy draw?
(Grade 3)

- (A) hexagon
- (B) square
- (C) trapezoid
- (D) triangle

Name _____

Read and Write Numbers

COMMON CORE STANDARD CC.4.NBT.2

Generalize place value understanding for multi-digit whole numbers.

Read and write the number in two other forms.

1. six hundred ninety-two thousand, four

2. 314,207

3. $600,000 + 80,000 + 10$

standard form:

692,004;

expanded form:

600,000 +

90,000 +

2,000 + 4

three hundred

fourteen

thousand, two

hundred seven;

300,000 +

10,000 +

4,000 + 200 + 7

680,010; six

hundred eighty

thousand, ten

Use the number 913,256.

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

thousands

5. Write the digit in the ten thousands place.

1

6. Write the value of the digit 9.

9 hundred thousands, or 900,000

Problem Solving

Use the table for 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?

South Dakota

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

8 ten thousands, or 80,000

Lesson Check (CC.4.NBT.2)

1. 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?
 (A) 6,918
 (B) 69,108
 (C) 69,180
 (D) 690,108
2. What is the value of the digit 4 in the number 84,230?
 (A) 4
 (B) 400
 (C) 4,000
 (D) 40,000

Spiral Review (Reviews CC.3.OA.7, CC.3.OA.8, CC.3.OA.9; CC.4.NBT.1)

3. An ant has 6 legs. How many legs do 8 ants have in all? (Grade 3)
 (A) 14
 (B) 40
 (C) 45
 (D) 48
4. Latricia's vacation is in 4 weeks. There are 7 days in a week. How many days is it until Latricia's vacation? (Grade 3)
 (A) 9 days
 (B) 11 days
 (C) 20 days
 (D) 28 days
5. Marta collected 363 cans. Diego collected 295 cans. How many cans did Marta and Diego collect in all? (Grade 3)
 (A) 668
 (B) 658
 (C) 568
 (D) 178
6. The city Tim lives in has 106,534 people. What is the value of the 6 in 106,534? (Lesson 1.1)
 (A) 6,000
 (B) 600
 (C) 60
 (D) 6

Name _____

Compare and Order Numbers**COMMON CORE STANDARD** CC.4.NBT.2

Generalize place value understanding for multi-digit whole numbers.

Compare. Write $<$, $>$, or $=$.

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.

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

23,710; 23,715; 23,751

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

5,206; 52,701; 54,025

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

456,231; 456,321;
465,321

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

\$303,962; \$329,854;
\$330,820**Problem Solving** 

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?

November, October,
December

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?

Colorado, Arizona,
New Mexico

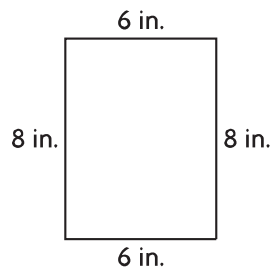
Lesson Check (CC.4.NBT.2)

- 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?
 (A) \$55,500 (C) \$55,593
 (B) \$55,053 (D) \$56,482
- Which of the following lists of numbers is in order from greatest to least?
 (A) 60,343; 60,433; 63,043
 (B) 83,673; 86,733; 86,373
 (C) 90,543; 90,048; 93,405
 (D) 20,433; 20,343; 20,043

Spiral Review (Reviews CC.3.NF.3d, CC.3.MD.8; CC.4.NBT.1, CC.4.NBT.2)

- Jess is comparing fractions. Which fraction is greater than $\frac{5}{6}$? (Grade 3)
- What is the perimeter of the rectangle below? (Grade 3)

- (A) $\frac{7}{8}$
- (B) $\frac{4}{5}$
- (C) $\frac{3}{4}$
- (D) $\frac{2}{3}$



- (A) 14 inches
 - (B) 26 inches
 - (C) 28 inches
 - (D) 48 inches
- A website had 826,140 hits last month. What is the value of the 8 in 826,140? (Lesson 1.1)
 (A) 800
 (B) 8,000
 (C) 80,000
 (D) 800,000
 - Which is 680,705 written in expanded form? (Lesson 1.2)
 (A) $680 + 705$
 (B) $68,000 + 700 + 5$
 (C) $600,000 + 8,000 + 700 + 5$
 (D) $600,000 + 80,000 + 700 + 5$

Name _____

Round Numbers

COMMON CORE STANDARD CC.4.NBT.3

Generalize place value understanding for multi-digit whole numbers.

Round to the place value of the underlined digit.

1. 862,840

862,840 860,000

↑
less than 5

2. 123,499

123,000

3. 552,945

600,000

- 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.
- Change all the digits to the right of the rounding place to zero.

4. 389,422

390,000

5. 209,767

200,000

6. 191,306

191,000

7. 66,098

70,000

8. 73,590

74,000

9. 149,903

100,000

10. 684,303

684,000

11. 499,553

500,000

Problem Solving

Use the table for 12–13.

12. Find the height of Mt. Whitney in the table. Round the height to the nearest thousand feet.

14,000 feet

13. What is the height of Mt. Bona rounded to the nearest ten thousand feet?

20,000 feet

| Mountain Heights | | |
|------------------|------------|---------------|
| Name | State | Height (feet) |
| Mt. Bona | Alaska | 16,500 |
| Mt. Whitney | California | 14,494 |

Lesson Check (CC.4.NBT.3)

- Which number is 247,039 rounded to the nearest thousand?

(A) 200,000 247,000
 (B) 250,000 (D) 7,000
- To the nearest ten thousand, the population of Vermont was estimated to be about 620,000 in 2008. Which might have been the exact population of Vermont in 2008?

(A) 626,013 (C) 614,995
 621,270 (D) 609,964

Spiral Review (Reviews CC.3.NF.3d; CC.4.NBT.2)

- Which symbol makes the following number sentence true? (Lesson 1.3)
 $\$546,322 \bigcirc \$540,997$

(A) <
 >
 (C) =
 (D) +
- Pittsburgh International Airport had approximately 714,587 passengers in August 2009. Which number is greater than 714,587? (Lesson 1.3)

(A) 714,578
 (B) 704,988
 714,601
 (D) 714,099
- June 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? (Grade 3)

(A) $\frac{1}{6}$
 (B) $\frac{2}{6}$
 (C) $\frac{3}{6}$
 $\frac{4}{6}$
- The fourth grade collected 40,583 cans and plastic bottles. Which of the following shows that number in word form? (Lesson 1.2)

(A) forty thousand, five hundred eighty
 forty thousand, five hundred eighty-three
 (C) four thousand, five hundred eighty-three
 (D) four hundred thousand, five hundred eighty-three

Name _____

Rename Numbers**COMMON CORE STANDARD** CC.4.NBT.1

Generalize place value understanding for multi-digit whole numbers.

Rename the number. Use the place-value chart to help.

1. 760 hundreds = 76,000

| THOUSANDS | | | ONES | | |
|-----------|------|------|----------|------|------|
| Hundreds | Tens | Ones | Hundreds | Tens | Ones |
| | 7 | 6, | 0 | 0 | 0 |

2. 805 tens = 8,050

| THOUSANDS | | | ONES | | |
|-----------|------|------|----------|------|------|
| Hundreds | Tens | Ones | Hundreds | Tens | Ones |
| | | 8, | 0 | 5 | 0 |

3. 24 ten thousands = 240,000

| THOUSANDS | | | ONES | | |
|-----------|------|------|----------|------|------|
| Hundreds | Tens | Ones | Hundreds | Tens | Ones |
| 2 | 4 | 0, | 0 | 0 | 0 |

Rename the number.

4. 720 = 72 tens

5. 4 thousands 7 hundreds = 47 hundreds

6. 25,600 = 256 hundreds

7. 204 thousands = 204,000

Problem Solving

8. For the fair, the organizers ordered 32 rolls of tickets. Each roll of tickets has 100 tickets. How many tickets were ordered in all?

3,200 tickets

9. An apple orchard sells apples in bags of 10. The orchard sold a total of 2,430 apples one day. How many bags of apples was this?

243 bags

Lesson Check (CC.4.NBT.1)

- A dime has the same value as 10 pennies. Marley brought 290 pennies to the bank. How many dimes did Marley get?
 - 29
 - 290
 - 2,900
 - 29,000
- A citrus grower ships grapefruit in boxes of 10. One season, the grower shipped 20,400 boxes of grapefruit. How many grapefruit were shipped?
 - 204
 - 2,040
 - 20,400
 - 204,000

Spiral Review (Reviews CC.3.OA.5; CC.4.NBT.1, CC.4.NBT.2, CC.4.NBT.3)

- There were 2,605 people at the basketball game. A reporter rounded this number to the nearest hundred for a newspaper article. What number did the reporter use? (Lesson 1.4)
 - 2,600
 - 2,610
 - 2,700
 - 3,000
- To get to Level 3 in a game, a player must score 14,175 points. Ann scores 14,205 points, Ben scores 14,089 points, and Chuck scores 10,463 points. Which score is greater than the Level 3 score? (Lesson 1.3)
 - 14,205
 - 14,175
 - 14,089
 - 10,463
- Henry counted 350 lockers in his school. Hayley counted 403 lockers in her school. Which statement is true? (Lesson 1.1)
 - The 3 in 350 is 10 times the value of the 3 in 403.
 - The 3 in 350 is 100 times the value of the 3 in 403.
 - The 3 in 403 is 10 times the value of the 3 in 350.
 - The 3 in 403 is 100 times the value of the 3 in 350.
- There are 4 muffins on each plate. There are 0 plates of lemon muffins. How many lemon muffins are there? (Grade 3)
 - 4
 - 2
 - 1
 - 0

Name _____

Add Whole Numbers

COMMON CORE STANDARD CC.4.NBT.4

Use place value understanding and properties of operations to perform multi-digit arithmetic.

Estimates may vary.

Estimate. Then find the sum.

1. Estimate: 90,000

$$\begin{array}{r} 11 \\ 63,824 \rightarrow 60,000 \\ + 29,452 \rightarrow + 30,000 \\ \hline 93,276 \quad 90,000 \end{array}$$

2. Estimate: 100,000

$$\begin{array}{r} 73,404 \\ + 27,865 \\ \hline 101,269 \end{array}$$

3. Estimate: 800,000

$$\begin{array}{r} 403,446 \\ + 396,755 \\ \hline 800,201 \end{array}$$

4. Estimate: 200,000

$$\begin{array}{r} 137,638 \\ + 52,091 \\ \hline 189,729 \end{array}$$

5. Estimate: 250,000

$$\begin{array}{r} 200,629 \\ + 28,542 \\ \hline 229,171 \end{array}$$

6. Estimate: 600,000

$$\begin{array}{r} 212,514 \\ + 396,705 \\ \hline 609,219 \end{array}$$

7. Estimate: 330,000

$$\begin{array}{r} 324,867 \\ + 6,233 \\ \hline 331,100 \end{array}$$

8. Estimate: 800,000

$$\begin{array}{r} 462,809 \\ + 256,738 \\ \hline 719,547 \end{array}$$

9. Estimate: 900,000

$$\begin{array}{r} 624,836 \\ + 282,189 \\ \hline 907,025 \end{array}$$

Problem Solving

Use the table for 10–12.

10. Beth and Cade were on one team.

What was their total score?

407,502

11. Dillan and Elaine were on the other team.

What was their total score?

409,928

12. Which team scored the most points?

Dillan and Elaine

| Individual Game Scores | |
|------------------------|---------|
| Student | Score |
| Beth | 251,567 |
| Cade | 155,935 |
| Dillan | 188,983 |
| Elaine | 220,945 |

Lesson Check (CC.4.NBT.4)

- The coastline of the United States is 12,383 miles long. Canada's coastline is 113,211 miles longer than the coastline of the United States. How long is the coastline of Canada?
 - (A) 100,828 miles
 - (B) 115,594 miles
 - (C) 125,594 miles
 - (D) 237,041 miles
- Germany is the seventh largest European country and is slightly smaller by area than Montana. Germany has a land area of 134,835 square miles and a water area of 3,011 square miles. What is the total area of Germany?
 - (A) 7,846 square miles
 - (B) 131,824 square miles
 - (C) 137,846 square miles
 - (D) 435,935 square miles

Spiral Review (CC.4.NBT.2, CC.4.NBT.3)

- In an election, about 500,000 people voted in all. Which number could be the exact number of people who voted in the election? (Lesson 1.4)
 - (A) 429,455
 - (B) 441,689
 - (C) 533,736
 - (D) 550,198
- Which of the following lists of numbers is in order from greatest to least? (Lesson 1.3)
 - (A) 33,093; 33,903; 33,309
 - (B) 42,539; 24,995; 43,539
 - (C) 682,131; 628,000; 682,129
 - (D) 749,340; 740,999; 740,256
- In 2007, Pennsylvania had approximately 121,580 miles of public roads. What is 121,580 rounded to the nearest thousand? (Lesson 1.4)
 - (A) 100,000
 - (B) 120,000
 - (C) 121,000
 - (D) 122,000
- Which symbol makes the following statement true? (Lesson 1.3)
 $\$413,115$ $\$431,511$
 - (A) $<$
 - (B) $>$
 - (C) $=$
 - (D) $+$

Name _____

Subtract Whole Numbers

COMMON CORE STANDARD CC.4.NBT.4

Use place value understanding and properties of operations to perform multi-digit arithmetic.

Estimate. Then find the difference.

1. Estimate: 600,000

Think: 780,573 rounds to 800,000.

229,615 rounds to 200,000.

So an estimate is $800,000 - 200,000 = 600,000$.

$$\begin{array}{r} ^9 \\ 7 \ 10 \ 15 \ 6 \ 13 \\ 780,573 \\ - 229,615 \\ \hline 550,958 \end{array}$$

2. Estimate: 200,000

$$\begin{array}{r} 428,731 \\ - 175,842 \\ \hline 252,889 \end{array}$$

3. Estimate: 400,000

$$\begin{array}{r} 920,026 \\ - 535,722 \\ \hline 384,304 \end{array}$$

4. Estimate: 200,000

$$\begin{array}{r} 253,495 \\ - 48,617 \\ \hline 204,878 \end{array}$$

Subtract. Add to check.

5. $735,249 - 575,388$

6. $512,724 - 96,473$

7. $600,000 - 145,782$

159,861

416,251

454,218

Problem Solving

Use the table for 8 and 9.

8. How many more people attended the Magic's games than attended the Pacers' games?

133,606

9. How many fewer people attended the Pacers' games than attended the Clippers' games?

87,768

| Season Attendance for Three NBA Teams | |
|---------------------------------------|------------|
| Team | Attendance |
| Indiana Pacers | 582,295 |
| Orlando Magic | 715,901 |
| Los Angeles Clippers | 670,063 |

Lesson Check (CC.4.NBT.4)

- This year, a farm planted 400,000 corn stalks. Last year, the farm planted 275,650 corn stalks. How many more corn stalks did the farm plant this year than last year?
 - 124,350
 - (B) 125,450
 - (C) 235,450
 - (D) 275,650
- One machine can make 138,800 small paper clips in one day. Another machine can make 84,250 large paper clips in one day. How many more small paper clips than large paper clips are made by the two machines in one day?
 - (A) 44,550
 - 54,550
 - (C) 54,650
 - (D) 154,650

Spiral Review (CC.4.NBT.2, CC.4.NBT.3, CC.4.NBT.4)

- In three baseball games over a weekend, 125,429 people came to watch. The next weekend, 86,353 came to watch the games. How many people in all watched the six baseball games? (Lesson 1.6)
 - (A) 201,782
 - (B) 211,772
 - 211,782
 - (D) 211,882
- Kevin read the number “two hundred seven thousand, forty-eight” in a book. What is this number in standard form? (Lesson 1.2)
 - (A) 27,048
 - (B) 27,480
 - 207,048
 - (D) 207,480
- A museum had 275,608 visitors last year. What is this number rounded to the nearest thousand? (Lesson 1.4)
 - (A) 275,600
 - 276,000
 - (C) 280,000
 - (D) 300,000
- At the Millville Theater, a play ran for several weeks. In all, 28,175 people saw the play. What is the value of the digit 8 in 28,175? (Lesson 1.1)
 - (A) 8
 - (B) 800
 - 8,000
 - (D) 80,000

Name _____

Problem Solving • Comparison Problems with Addition and Subtraction

COMMON CORE STANDARD CC.4.NBT.4

Use place value understanding and properties of operations to perform multi-digit arithmetic.

Use the information in the table for 1–3.

1. How many square miles larger is the surface area of Lake Huron than the surface area of Lake Erie?

Think: How can a bar model help represent the problem? What equation can be written?



$22,973 - 9,906 = \underline{13,067}$ square miles

| Surface Area of the Great Lakes | |
|---------------------------------|--------------------------------|
| Lake | Surface Area (in square miles) |
| Lake Superior | 31,700 |
| Lake Michigan | 22,278 |
| Lake Huron | 22,973 |
| Lake Erie | 9,906 |
| Lake Ontario | 7,340 |

13,067 square miles

2. Which lake has a surface area that is 14,938 square miles greater than the surface area of Lake Ontario? Draw a model and write a number sentence to solve the problem.

$7,340 + 14,938 = \underline{22,278}$



Lake Michigan

3. Lake Victoria has the largest surface area of all lakes in Africa. Its surface area is 26,828 square miles. How much larger is the surface area of Lake Superior than that of Lake Victoria?

4,872 square miles

4. At 840,000 square miles, Greenland is the largest island in the world. The second-largest island is New Guinea, at 306,000 square miles. How much larger is Greenland than New Guinea?

534,000 square miles

Lesson Check (CC.4.NBT.4)

- The Mariana Trench in the Pacific Ocean is about 36,201 feet deep. The Puerto Rico Trench in the Atlantic Ocean is about 27,493 feet deep. Based on these data, how many feet deeper is the Mariana Trench than the Puerto Rico Trench?

8,708 feet 9,808 feet
 9,718 feet 63,694 feet
- At 1,932 feet, Crater Lake, Oregon, is the deepest lake in the United States. The world's deepest lake, Lake Baykal in Russia, is 3,383 feet deeper. How deep is Lake Baykal?

3,383 feet
 4,215 feet
 4,315 feet
 5,315 feet

Spiral Review (CC.4.NBT.3, CC.4.NBT.4)

- Which of the following amounts is greater than \$832,458? (Lesson 1.3)

\$82,845
 \$832,458
 \$823,845
 \$832,485
- Which of the following numbers is 399,713 rounded to the place value of the underlined digit? (Lesson 1.4)

390,000
 398,000
 399,800
 400,000
- A stadium in Pennsylvania seats 107,282 people. A stadium in Arizona seats 71,706 people. Based on these facts, how many more people does the stadium in Pennsylvania seat than the stadium in Arizona? (Lesson 1.7)

35,576 36,576
 35,586 178,988
- About 400,000 people visited an art museum in December. Which number could be the exact number of people who visited the art museum? (Lesson 1.4)

478,051
 452,223
 352,483
 348,998

Name _____

Chapter 1 Extra Practice

Lesson 1.1

Find the value of the underlined digit.

1. 6,493

90

2. 16,403

10,000

3. 725,360

300

4. 952,635

900,000

Compare the values of the underlined digits in 46,395 and 14,906.

5. The value of 4 in 46,395 is 10 times
the value of 4 in 14,906.

Lesson 1.2

Read and write the number in two other forms.

1. 304,001

300,000 + 4,000 + 1;
three hundred four
thousand, one

2. two hundred eight thousand, five hundred
sixty-one

208,561;
200,000 + 8,000 + 500
+ 60 + 1

Use the number 751,486.

3. Write the name of the period that has the
digits 486.

ones

4. Write the name of the period that has the
digits 751.

thousands

5. Write the digit in the thousands place.

1

6. Write the value of the digit 5.

5 ten thousands, or 50,000

Lesson 1.3

Compare. Write $<$, $>$, or $=$.

1. 6,930 $<$ 7,023

2. 98,903 $<$ 98,930

3. 549,295 $>$ 547,364

Order from least to greatest.

4. \$26,940; \$25,949; \$26,490

\$25,949; \$26,490; \$26,940

5. 634,943; 639,443; 589,932

589,932; 634,943; 639,443

Lesson 1.4

Round to the place value of the underlined digit.

1. $28\bar{6},476$

286,000

2. $28\bar{9},342$

289,000

3. $2\bar{4}5,001$

250,000

4. $\bar{1}83,002$

200,000

Lesson 1.5

Rename the number.

1. 82 thousands = 82,000

2. 600,000 = 60 ten thousands

3. 9,200 = 92 hundreds

4. 8 ten thousands 4 hundreds = 80,400

Lesson 1.6

Estimate. Then find the sum.

Possible estimates are shown.

1. Estimate: 140,000

$$\begin{array}{r} 94,903 \\ + 49,995 \\ \hline 144,898 \end{array}$$

2. Estimate: 460,000

$$\begin{array}{r} 420,983 \\ + 39,932 \\ \hline 460,915 \end{array}$$

3. Estimate: 900,000

$$\begin{array}{r} 540,943 \\ + 382,093 \\ \hline 923,036 \end{array}$$

Lesson 1.7

Estimate. Then find the difference.

Possible estimates are shown.

1. Estimate: 20,000

$$\begin{array}{r} 25,953 \\ - 9,745 \\ \hline 16,208 \end{array}$$

2. Estimate: 400,000

$$\begin{array}{r} 740,758 \\ - 263,043 \\ \hline 477,715 \end{array}$$

3. Estimate: 200,000

$$\begin{array}{r} 807,632 \\ - 592,339 \\ \hline 215,293 \end{array}$$

Lesson 1.8

1. The attendance for the first game of the football season was 93,584. The attendance for the second game was 104,227. How many more people attended the second game than the first game?

10,643 people

2. Abby and Lee sold raffle tickets to raise money for a new playground. Abby sold 1,052 tickets. Lee sold 379 more tickets than Abby. How many tickets did Lee sell?

1,431 tickets