

Name

MY Homework

Lesson 1

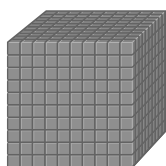
Place Value Through Thousands

Homework Helper

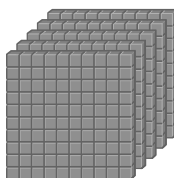


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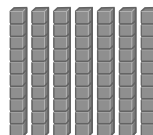
There are 1,576 steps to the top of the Empire State Building. Look at the model. Write the number in standard form, expanded form, and word form.



1 thousand



5 hundreds



7 tens



6 ones

Standard form: 1,576

Expanded form: $1,000 + 500 + 70 + 6$

Word form: *one thousand, five hundred seventy-six*

Write the place and the value of the highlighted digit in 1,576.

A place-value chart helps to identify the place and value of a digit.

thousands	hundreds	tens	ones
1	5	7	6

The circled digit, 5, is in the hundreds place. Its value is 500.

Practice

Write each number in expanded form and word form.

1. 2,368 $2,000 + \underline{\hspace{2cm}} + 60 + \underline{\hspace{2cm}}$

two _____, three _____ sixty-eight

2. 6,204 $\underline{\hspace{2cm}} + \underline{\hspace{2cm}} + \underline{\hspace{2cm}}$

_____ thousand, _____ hundred four

Write the highlighted digit's place and value.

3. 567 _____

4. 6,327 _____

5. 9,325 _____

6. 8,281 _____

Write each number in standard form.

7. $5,000 + 500 + 3$ _____


8. $2,000 + 300 + 20 + 9$ _____

9. $4,000 + 600 + 8$ _____

10. $9,000 + 300 + 70 + 2$ _____



Problem Solving

- 11. PRACTICE**  **Use Number Sense** Kyle is in seat number 1,024. Sierra's seat number has the same number of thousands and tens as Kyle's seat number, but 2 more hundreds and 3 fewer ones than Kyle's seat number. What is Sierra's seat number?

Vocabulary Check



Draw a line to connect each vocabulary word(s) to its definition.

- | | |
|--------------------------|--|
| 12. word form | • the value given to a digit by its place in a number |
| 13. digit | • the form of a number that uses written words |
| 14. expanded form | • the form of a number that shows the sum of the value of each digit |
| 15. standard form | • a symbol used to write a number |
| 16. place value | • the form of writing a number that shows only its digits |

Test Practice

- 17.** Which represents the number *two thousand, eighty*?
- (A) 280 (C) 2,080
(B) 2,008 (D) 2,800

14 Need more practice? Download Extra Practice at  connectED.mcgraw-hill.com

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Lesson 2

Compare Numbers

Homework Helper



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The John Hancock Center, in Chicago, is 1,127 feet in height. The Aon Center is 1,136 feet in height. Which building is taller?

A place-value chart can help to compare numbers.

So, 1,127 is less than 1,136.

$$1,127 < 1,136$$

The Aon Center is taller.

John Hancock Center →

Aon Center →

thousands	hundreds	tens	ones
1	1	2	7
1	1	3	6

same

different, 3 tens > 2 tens

Use these symbols to compare.

< means **is less than**

> means **is greater than**

= means **is equal to**

Practice

Which number is less? Complete the statement.

1.

hundreds	tens	ones
6	9	6
6	8	7

_____ < _____

2.

thousands	hundreds	tens	ones
2	1	8	3
3	1	5	4

_____ < _____

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

3. 751 ○ 715

4. 435 ○ 543

5. 808 ○ 880

6. 3,332 ○ 3,332

7. 6,673 ○ 6,376

8. 9,918 ○ 9,819

Circle the number that is greater. Then complete the statement.

9. 3,322 3,332

10. 1,877 1,788

11. 2,727 2,772

_____ $>$ _____ _____ $>$ _____ _____ $>$ _____

Circle the number that is less. Then complete the statement.

12. 5,642 5,426

13. 4,017 4,071

14. 6,310 6,231

_____ $<$ _____ _____ $<$ _____ _____ $<$ _____



Problem Solving

Mathematical

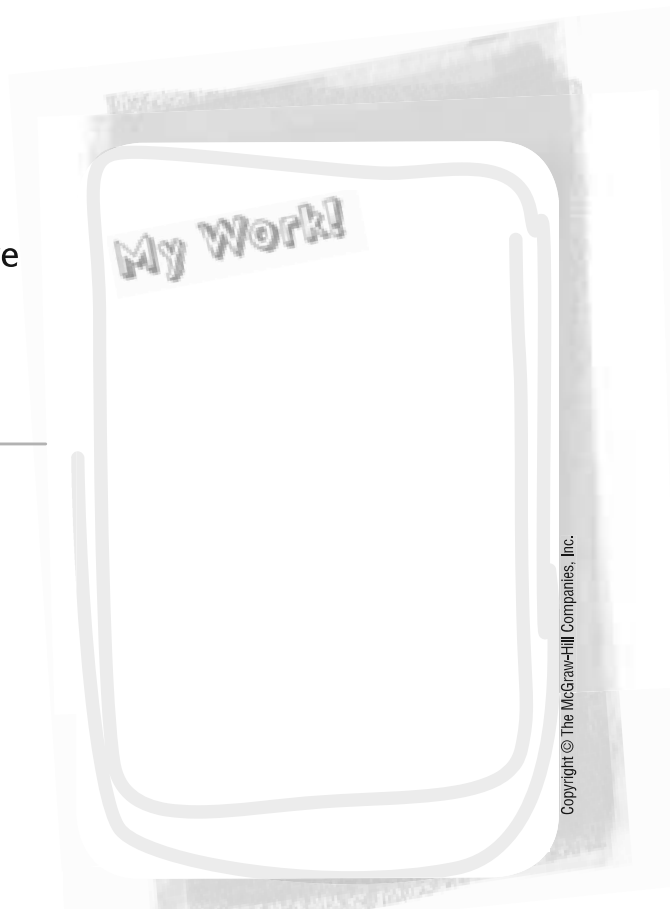


- 15. PRACTICE** Use Symbols Last year there were 191 sunny days and 174 cloudy days. Were there more sunny or cloudy days last year? Compare using $<$, $>$, or $=$.

Test Practice

- 16.** Which number is greater than 3,491?

- (A) 3,419 (C) 3,491
(B) 3,490 (D) 3,499



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Lesson 3

Order Numbers

Homework Helper



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The table shows the number of each type of car sold. Order the cars sold from *least* to *greatest*.

Type of Car	Cars Sold
Sports Utility	1,309
Sedan	1,803
Compact	1,117

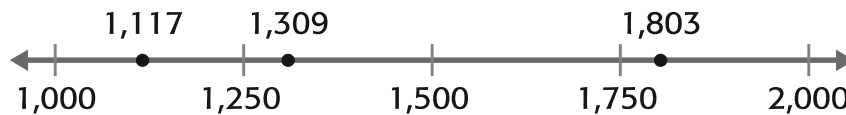
thousands	hundreds	tens	ones
1	1	1	7
1	3	0	9
1	8	0	3

Use a place-value chart.

Line up the numbers from the right.

Begin to compare from the left.

Number lines are another way to order numbers.



$$1,117 < 1,309 < 1,803$$

The order from *least* to *greatest* is compact, sports utility, and sedan.

Practice

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

1. 210; 182; 153

2. 1,692; 1,687; 1,685

3. 9,544; 9,455; 9,564

4. 653; 535, 335

Order the numbers from *greatest to least*.

5. Electronics for Sale



6. Miles Traveled



Problem Solving

Mathematical

7. PRACTICE 1 **Make Sense of Problems**

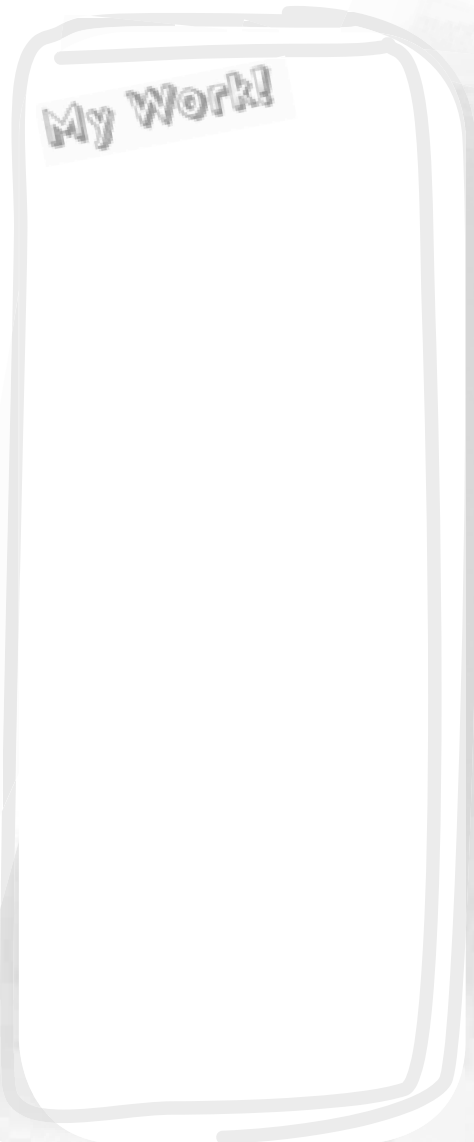
The Jacksons, Chens, and Simms each went on vacation. The Jacksons drove 835 miles. The Simms drove 947 miles and the Chens drove 100 miles further than the Jacksons. Which family drove the furthest on vacation?

- 8.** The addresses on Plum Street are out of order. Place them in order from least to the greatest.

7867, 8112, 7831

Test Practice

- 9.** Which set of numbers is correctly ordered from *least to greatest*?
- (A) 7,659; 7,668; 8,985; 9,887
 - (B) 9,887; 8,985; 7,668; 7,659
 - (C) 8,985; 9,887; 7,668; 7,659
 - (D) 9,887; 8,985; 7,659; 7,668



MY Homework

Lesson 4

Round to the Nearest Ten

Homework Helper



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Chase read an article about a football player who carried the ball for 437 yards. Round this number to the nearest ten.

Use a place-value chart.

1 Circle the digit to be rounded.

hundreds	tens	ones
4	3	7

2 Look at the digit to its right.

3 If the digit is 5 or greater, add 1 to the circled digit. If it is 4 or less, do not change it.

hundreds	tens	ones
4	4	0

4 Replace all the digits after the circled digit with zeros.

So, the football player carried the ball for about 440 yards.

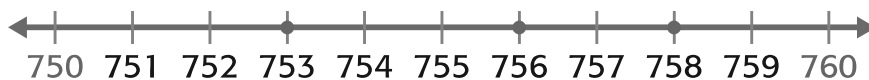
Practice

Round to the nearest ten.

1. 392 _____

2. 126 _____

Use the number line to round to the nearest ten.



3. 753 _____

4. 758 _____

5. 756 _____

Use the number line to round to the nearest ten.



6. 302 _____

7. 304 _____

8. 305 _____

Round to the nearest ten.


9. 429 _____

10. 191 _____

11. 198 _____



Problem Solving

- 12. PRACTICE**  **Use Number Sense** Garret's dog weighs 127 pounds. About how much does his dog weigh to the nearest ten pounds?

Vocabulary Check



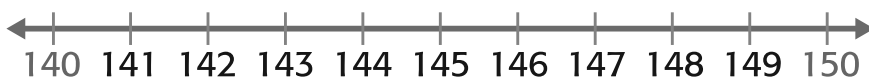
For each sentence, write one of the following on the line.

round nearest ten

13. To _____ a number, you change its value to a number that is easier to work with.
14. Rounded to the _____, 167 becomes 170.

Test Practice

15. Faith has added 143 songs to her music library on her computer. About how many songs is that? Round to the nearest ten.



- (A) 130 songs (C) 145 songs
(B) 140 songs (D) 150 songs



Name

MY Homework

Lesson 5

Round to the Nearest Hundred

Homework Helper



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A roller coaster in Ohio travels a track 5,427 feet long. About how many feet is that? Round to the nearest hundred.

You can use a place-value chart.

1 Circle the digit to be rounded.

thousands	hundreds	tens	ones
5	4	2	7

2 Look at the digit to its right.

3 If the digit is 5 or greater, add 1 to the circled digit. If it is less than 5, do not change it.

thousands	hundreds	tens	ones
5	4	0	0

4 Replace all the digits after the circled digit with zeros.

So, the roller coaster track is about 5,400 feet long.

Practice

Round to the nearest hundred.

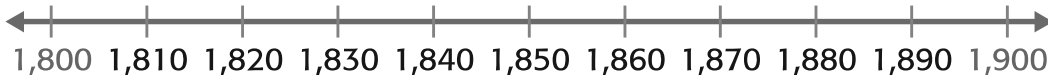
1. 688 _____

2. 4,248 _____

3. 316 _____

4. 2,781 _____

Use the number line to round to the nearest hundred.



5. 1,877 _____ 6. 1,849 _____ 7. 1,829 _____

Round to the nearest ten and nearest hundred.

8.

hundreds	tens	ones
7	0	9

ten _____
hundred _____

9.

hundreds	tens	ones
1	8	5

ten _____
hundred _____



Problem Solving

Mathematical Reason

10. **PRACTICE** **Reason** The table shows how many patients two doctors saw last year. To the nearest hundred, which doctor saw about 2,400 patients? Explain.

Doctor	Patients
Dr. Walters	2,493
Dr. Santos	3,205
Dr. Cooper	2,353

11. A group of hikers plan to climb Mt. Carmy. To the nearest hundred, about how many feet will they climb to the peak?



Test Practice

12. Mr. Miles bought a telescope that cost \$3,556. To the nearest hundred, how much did the telescope cost?
- (A) \$3,500 (C) \$3,600
(B) \$3,560 (D) \$4,000

MY Homework

Lesson 6

Problem Solving: Use the Four- Step Plan

Homework Helper



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There were 418 tickets sold for Conrad's piano recital. About how many tickets were sold? Round to the nearest hundred.

1

Understand What facts do you know?

There were 418 tickets sold.

What do you need to find?

the number of tickets sold to the nearest hundred.

2

Plan

Use a number line.

3

Solve



418 is closer to 400 than to 500. About 400 tickets were sold.

4

Check

Check using a place-value chart.

The answer is correct.

hundreds	tens	ones
4	1	8
4	0	0



Problem Solving

- Victoria buys two pairs of sunglasses for \$8 each. About how much did she pay for both pairs of glasses? Round to the nearest ten. Solve the problem using the four-step plan.

Solve each problem using the four-step plan.

2. Ridgeway Elementary School collected *eight thousand, five hundred thirty-one* cans of food. Park Elementary School collected *eight thousand, six hundred forty-two* cans. Which school collected more cans of food? Write the greater number of cans in expanded form.
-
-

- Mathematical** **1** **PRACTICE** **Make a Plan** There are 398 students at Rebecca’s school and 462 students at Haley’s school. There are 10 more students at Ronnie’s school than there are at Rebecca’s school. Order the number of students at each school from least to greatest.
-

- Mathematical** **3** **PRACTICE** **Justify Conclusions** The table shows the points each player scored in a video game. Who scored more points? Circle the player’s name.

Player	Points
Josh	2,365
Jake	2,475

In which place are the digits that helped you solve this problem?

5. The distance from Los Angeles, California to New York, New York is 2,782 miles. What is the distance between the two cities rounded to the nearest hundred miles?
-

My Work!

