



## SKILL 2: Rounding Large Numbers

**Rounding** is one way to find a number convenient to use to describe quantities. Rounding will give you the closest number to a given place value.

### Example

Round 82,439 to the nearest hundred.

8 2 4 3 9  
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There are four steps involved in the rounding process:

- |   |   |
|---|---|
| <b>Step 1:</b> Find the place value.  | The place value is “hundreds.”              |
| <b>Step 2:</b> Look at the digit to the right.  | The digit is 3.                             |
| <b>Step 3:</b> If this digit is 5 or greater, add one to the place-value digit. If it’s less than 5, leave the place-value digit alone. | 3 is less than 5, so the 4 will not change. |
| <b>Step 4:</b> Change the digits to the right to zeros.   | The rounded number is 82,400.               |

82,439 rounds to 82,400 when rounding to the nearest hundred.

### Guided Practice

1. Round 132,874,015 to the nearest hundred-thousands.

- a. The hundred-thousands digit is \_\_\_\_\_.
- b. The digit to the right of the hundred-thousands is \_\_\_\_\_.
- c. Is that digit 5 or greater? \_\_\_\_\_
- d. Write the rounded number. Remember to change digits to the right of hundred-thousands to zeros. \_\_\_\_\_

**Round each number to the given place.**

2. 941 to the tens place \_\_\_\_\_
3. 103,555 to the thousands place \_\_\_\_\_
4. 1,806,090 to the ten-thousands place \_\_\_\_\_
5. 27,971 to the tens place \_\_\_\_\_
6. 670,159 to the hundreds place \_\_\_\_\_

**SKILL 2: Practice**

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**Round to the given place.**1. 38,721 to hundreds  
\_\_\_\_\_2. 432,483 to ten-thousands  
\_\_\_\_\_3. 1,387,216 to tens  
\_\_\_\_\_4. 83,172 to hundreds  
\_\_\_\_\_5. 392,621 to thousands  
\_\_\_\_\_6. 471,832,103 to millions  
\_\_\_\_\_

7. 982,364 to hundreds \_\_\_\_\_

8. 408,069 to tens \_\_\_\_\_

9. 3,871,664 to hundred-thousands \_\_\_\_\_

10. 6,378,294 to thousands \_\_\_\_\_

11. Round the number to the given place: 56,603,964.

a. hundreds \_\_\_\_\_

b. thousands \_\_\_\_\_

c. ten-thousands \_\_\_\_\_

**Solve.**

12. Thom's kitchen requires 33 feet of wallpaper border. He selects a design available in a package with a 10-foot length of border. Since 33 rounds to 30, he buys 3 packages. Do you agree with his reasoning? Explain.

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13. Round 123,455 to the nearest thousand.

A 120,000

C 123,000

B 123,400

D 124,000

*Skill 2*

14. Write twenty million, one hundred ten thousand, forty-six in standard form.

F 2,110,046

H 20,110,046

G 2,110,460

J 21,010,460

*Skill 1*