



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
 ↑

There are four steps involved in the rounding process:

Step 1: Find the place value.

The place value is “hundreds.”

Step 2: Look at the digit to the right.

The digit is 3.

Step 3: 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.

Step 4: 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.

- The hundred-thousands digit is _____.
- The digit to the right of the hundred-thousands is _____.
- Is that digit 5 or greater? _____
- Write the rounded number. Remember to change digits to the right of hundred-thousands to zeros. _____

Round each number to the given place.

- 941 to the tens place _____
- 103,555 to the thousands place _____
- 1,806,090 to the ten-thousands place _____
- 27,971 to the tens place _____
- 670,159 to the hundreds place _____

SKILL 2: Practice

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.
- _____

TEST PREP

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