

# Round Multi-Digit Numbers

Name \_\_\_\_\_

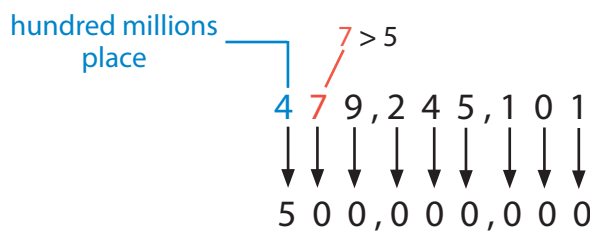
**Learning Target:** Use place value to round multi-digit numbers.

**Success Criteria:**

- I can explain which digit I use to round and why.
- I can round a multi-digit number to any place.

## Think and Grow

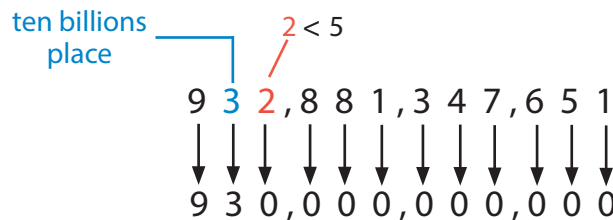
**Example** Use place value to round 479,245,101 to the nearest hundred million.



Remember, if the digit to the right of the rounding digit is 5 or greater, then the rounding digit increases by one.

So, 479,245,101 rounded to the nearest hundred million is \_\_\_\_\_.

**Example** Use place value to round 932,881,347,651 to the nearest ten billion.



Remember, if the digit to the right of the rounding digit is less than 5, then the rounding digit stays the same.

So, 932,881,347,651 rounded to the nearest ten billion is \_\_\_\_\_.

## Show and Grow

Round the number to the place of the underlined digit.

1. 164,987,202

2. 42,718,254

3. 255,581,007,197

4. 870,427,604,111

5. Round 25,187,012,150 to the nearest million.

6. Round 827,172,273 to the nearest billion.

Practice

7. Round 75,814,158,102.

Nearest hundred million: \_\_\_\_\_

Nearest hundred billion: \_\_\_\_\_
8. Round 9,243,632,701.

Nearest ten million: \_\_\_\_\_

Nearest ten billion: \_\_\_\_\_

Name the place to which the number is rounded.

9. 394,432,815,080 to 390,000,000,000
10. 513,467,128,796 to 513,470,000,000
11. 74,142,018,122 to 100,000,000,000

12. **YOU BE THE TEACHER** Your friend says the social media founder has a net worth of about \$10,000,000,000. Is your friend correct? Explain.

Founder's net worth:  
\$21,170,852,231

13. **Number Sense** Name two different numbers that round to 27,006,000,000 when rounded to the nearest million.
14. **Number Sense** Name two different numbers that round to 947,000,000,000 when rounded to the nearest billion.

15. **Modeling Real Life** Use the table to answer the questions.
- An astronomer is studying a planet that is about 100,000,000 miles from the Sun. Which of the planets could she be studying?

Miles from the Sun	
Mercury	35,980,000
Venus	67,240,000
Earth	92,960,000
Mars	141,600,000
Jupiter	483,800,000
Saturn	890,800,000
Uranus	1,784,000,000
Neptune	2,793,000,000

**DIG DEEPER!** Name two planets whose distances combined is about the same as Saturn's distance from the Sun, rounded to the nearest billion.