

## Round Decimals

The same rules you learned for rounding whole numbers can be used to round decimals.

**Step 1:** Underline the digit in the place to which you want to round.

**Step 2:** Compare the digit at the right of the underlined digit to 5.

**Round Down:** If the digit at the right is less than 5, the underlined digit stays the same.

**Round Up:** If the digit at the right is 5 or greater, increase the underlined digit by 1.

**Step 3:** Rewrite all digits to the right of the underlined digit as zeros.

An equivalent decimal can be written by leaving off trailing zeros.

<p><b>A. Round 5.643 to the nearest hundredth.</b></p> <p>Underline.    5.6<u>4</u>3</p> <p>Compare.      3 &lt; 5    Round <u>down</u>.</p> <p>Rewrite.       5.640 or 5.64</p>	<p><b>B. Round 0.8287 to the nearest thousandth.</b></p> <p>Underline.    0.82<u>8</u>7</p> <p>Compare.      7 &gt; 5    Round <u>up</u>.</p> <p>Rewrite.       0.8290 or 0.829</p>
--	---

1. Round 4.**1**872 to the place of the **bold-faced** digit.

Underline.    4.**1**872

Compare.    \_\_\_ ○ 5    Round \_\_\_\_.

Rewrite. \_\_\_\_\_

2. Round 82.647**5**1 to the nearest thousandth.

Underline.    82.647**5**

Compare.    \_\_\_ ○ 5    Round \_\_\_\_.

Rewrite. \_\_\_\_\_

Round each number to the place of the **bold-faced** digit.

3. 7.**3**25

4. 9.0**2**87

5. 108.**1**08

6. 2**6**.3199

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Round 12.8405 to the place named.

7. hundredths

8. ones

9. tenths

10. thousandths

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

## Round Decimals

The same rules you learned for rounding whole numbers can be used to round decimals.

**Step 1:** Underline the digit in the place to which you want to round.

**Step 2:** Compare the digit at the right of the underlined digit to 5.

**Round Down:** If the digit at the right is less than 5, the underlined digit stays the same.

**Round Up:** If the digit at the right is 5 or greater, increase the underlined digit by 1.

**Step 3:** Rewrite all digits to the right of the underlined digit as zeros.

An equivalent decimal can be written by leaving off trailing zeros.

<p><b>A.</b> Round 5.643 to the nearest hundredth.</p> <p>Underline.    5.6<u>4</u>3</p> <p>Compare.      3 &lt; 5    Round <u>down</u>.</p> <p>Rewrite.       5.640 or 5.64</p>	<p><b>B.</b> Round 0.8287 to the nearest thousandth.</p> <p>Underline.    0.82<u>8</u>7</p> <p>Compare.      7 &gt; 5    Round <u>up</u>.</p> <p>Rewrite.       0.8290 or 0.829</p>
--	---

1. Round 4.**1**872 to the place of the **bold-faced** digit.

Underline.    4.1872

Compare.      **8** > 5    Round up.

Rewrite.       **4.2000 or 4.2**

2. Round 82.647**5**1 to the nearest thousandth.

Underline.    82.6475

Compare.      **5** = 5    Round up.

Rewrite.       **82.64800 or 82.648**

Round each number to the place of the **bold-faced** digit.

3. 7.**3**25

7.3

4. 9.0**2**87

9.03

5. 108.**1**08

108.11

6. 26.**3**199

26

Round 12.8405 to the place named.

7. hundredths

12.84

8. ones

13

9. tenths

12.8

10. thousandths

12.841