



Name _____ Date _____

Rounding Decimals (pages 109–111)

You can round decimals to any place-value position.

Rounding Decimals	<ul style="list-style-type: none"> • Underline the place you want to round to. • Look at the digit to the right of the underlined place. • Leave the underlined digit the same if the digit to the right is 0, 1, 2, 3, or 4. • Round up by adding 1 to the underlined digit if the digit to the right is 5, 6, 7, 8, or 9. • Then drop all the digits to the right of the underlined digit.
--------------------------	---

EXAMPLES

A Round 25.0743 to the nearest tenth.

Underline the digit in the tenths place (0). Look at the digit to the right (7). Since 7 is greater than 5, add one to the 0. Then drop all the digits to the right. 25.1

B Round 324.67 to the nearest ten.

Underline the digit in the tens place (2). Because the next digit to the right is less than 5, leave the 2 the same. Replace the 4 with a 0 to keep the digits to the left of the decimal in the proper places. Drop the digits to the right of the decimal. 320

Try These Together

1. Round \$6.50 to the nearest dollar.

HINT: Remember that with a 5 you round up.

2. Is 0.345 closer to 0.3 or 0.4?

HINT: Use zeros to write each number with the same number of decimal places.

PRACTICE

Round each number to the underlined place-value position.

- | | | |
|---------------------|---------------------|---------------------|
| 3. 1. <u>2</u> 1 | 4. 8. <u>6</u> 3 | 5. 13. <u>5</u> 8 |
| 6. 4. <u>3</u> 7 | 7. 9. <u>6</u> 4 | 8. 27. <u>5</u> 3 |
| 9. 38. <u>6</u> 22 | 10. 23. <u>2</u> 59 | 11. 99. <u>3</u> 48 |
| 12. 95. <u>5</u> 24 | 13. 24. <u>8</u> 56 | 14. 87. <u>6</u> 35 |

15. Round 67.687 to the nearest tenth.

16. Round \$12.35 to the nearest dollar.

17. **Entertainment** It costs \$3.99 to rent a movie from the video store. If you rented a movie, how much would you probably say it cost? (Round \$3.99 to the nearest dollar.)



18. **Standardized Test Practice** People in the United States are living longer than ever before. The average life span is 76.1 years. What is this number rounded to the nearest year?

A 77

B 76.2

C 76.1

D 76

Answers: 1. \$7 2. 0.3 3. 1.2 4. 8.6 5. 13.6 6. 4.4 7. 9.6 8. 27.5 9. 38.62 10. 23.26 11. 99.35 12. 95.52 13. 24.9 14. 87.64 15. 67.7 16. \$12.00 17. \$4 18. D