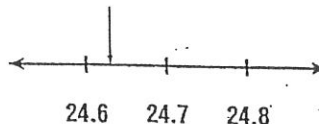


# Study Guide Worksheet 2-2

## Rounding Decimals

Round 24.625 to the nearest tenth.

You can use a number line.



Find the approximate location of 24.625 on the number line.

24.625 is closer to 24.6 than to 24.7.

24.625 rounded to the nearest tenth is 24.6.

You can also round without a number line.

Find the place to which you want to round.

Look at the digit to the right.  
If the digit is less than 5, round down.  
If the digit is 5 or greater, round up.

2 is less than 5.  
Do not change the digit.

24.625

24.625

24.6

Round each number to the underlined place-value position.

1. 46.124

2. 29.915

3. 15.1733

4. 0.159

5. 308.862

6. 0.0561

7. 0.577

8. 0.0089

9. 2.62

10. 76.0552

11. 12.1903

12. 0.855

13. 331.98

14. 0.0549

15. 6.03

16. 173.99

17. 84.012

18. 0.846

19. 12.7642

20. 0.062

## Practice Worksheet 3-2

### Decimals Through Ten-Thousandths

Write each fraction as a decimal.

1.  $\frac{49}{1,000}$

2.  $\frac{371}{10,000}$

3.  $\frac{6}{1,000}$

4.  $\frac{28}{10,000}$

5.  $\frac{1,096}{10,000}$

6.  $\frac{514}{1,000}$

7.  $\frac{3}{10,000}$

8.  $\frac{72}{1,000}$

9.  $\frac{685}{10,000}$

10.  $\frac{407}{1,000}$

11.  $\frac{9}{1,000}$

12.  $\frac{2,351}{10,000}$

13.  $\frac{63}{10,000}$

14.  $\frac{742}{1,000}$

15.  $\frac{8}{10,000}$

16.  $\frac{914}{10,000}$

17.  $\frac{3,806}{10,000}$

18.  $\frac{59}{1,000}$

Write each expression as a decimal.

19. seventy-eight ten-thousandths

20. three and five thousandths

21. twenty-nine and five hundred eight thousandths

22. ten and seventy-three thousandths

23. forty-five and two ten-thousandths

24. thirty-one thousandths

25. four thousandths

26. twelve and nine hundred five ten-thousandths

27. eleven and thirty-six ten-thousandths

28. two hundred three thousandths