

## Chapter 7 Review

Name \_\_\_\_\_ Date \_\_\_\_\_ Per \_\_\_\_\_

Remember to show your work and check it.

Write the percent as a fraction.

1. 44%                      2. 35%                      1. \_\_\_\_\_

2. \_\_\_\_\_

3. 29%                      4. 53%                      3. \_\_\_\_\_

4. \_\_\_\_\_

Write the fraction as a percent.

5.  $\frac{31}{100}$                       6.  $\frac{1}{4}$                       5. \_\_\_\_\_

6. \_\_\_\_\_

7.  $\frac{5}{20}$                       8.  $\frac{22}{50}$                       7. \_\_\_\_\_

8. \_\_\_\_\_

Find the percent of the number.

9. 25% of 40                      10. 80% of 52                      9. \_\_\_\_\_

10. \_\_\_\_\_

11. 125% of 77                      12. 3.2% of 9                      11. \_\_\_\_\_

12. \_\_\_\_\_

Use the proportion to answer the questions.

13. What percent of 90 is 60?                      14. What percent of 70 is 31.5?                      13. \_\_\_\_\_

14. \_\_\_\_\_

15. 4.5 is 0.9% of what number?      16. 60 is 125% of what number?      15. \_\_\_\_\_
16. \_\_\_\_\_
17. Your friend has 480 stamps in a collection. Of these, 156 stamps depict historical events. What percent of the stamps in the collection depict historical events?      17. \_\_\_\_\_
- a) 6%      b) 32%
- c) 32.5%      d) 307%
18. What is  $\frac{7}{32}$  as a percent?      18. \_\_\_\_\_
- a) 7%      b) 4.47%
- c) 457%      d) 22%
19. What is 55% as a fraction?      19. \_\_\_\_\_
- a)  $\frac{1}{55}$       b)  $\frac{20}{11}$
- c)  $\frac{11}{55}$       d)  $\frac{11}{20}$
20. A \$500 bond earns 6% simple annual interest. Find the interest earned after 5 years.      20. \_\_\_\_\_
21. You deposit \$1800 into a savings account that earns 2% simple interest annually. Find the balance after 2 years.      21. \_\_\_\_\_

Find the percent of change and then identify it as an increase or decrease.

22. Original: 400

New: 552

23. Original: 800

New: 1216

22. \_\_\_\_\_

23. \_\_\_\_\_

24. Original: 1100

New: 1969

25. Original: 475

New: 589

24. \_\_\_\_\_

25. \_\_\_\_\_

Use the given to find the new price.

26. Wholesale price: \$5.00

Markup: 125%

27. Wholesale price:

\$92.00

Markup: 45%

26. \_\_\_\_\_

27. \_\_\_\_\_

28. Wholesale price:  
\$210.00

Discount: 30%

29. Wholesale price:  
\$106.00

Discount: 70%

28. \_\_\_\_\_

29. \_\_\_\_\_

30. Original price: \$16.00

Sales tax: 6%

31. Food bill: \$68.00

Sale tax: 3%

Tip: 20%

30. \_\_\_\_\_

31. \_\_\_\_\_