

**Skills**

- **Lesson 7-1** Write two different ratios equal to each ratio.

1.  $\frac{30}{60}$                       2. 5 : 15                      3. 13 to 52                      4. 7 : 77                      5. 18 to 72

- **Lesson 7-2** Find each unit price. Round to the nearest cent. Then determine the better buy.

6. cereal: 12 ounces for \$2.99  
16 ounces for \$3.59                      7. rice: 8 ounces for \$1.95  
15 ounces for \$2.99

- **Lesson 7-3** Do the ratios in each pair form a proportion?

8.  $\frac{6}{30}, \frac{3}{15}$                       9.  $\frac{9}{12}, \frac{12}{9}$                       10.  $\frac{13}{3}, \frac{26}{6}$                       11.  $\frac{5}{225}, \frac{2}{95}$                       12.  $\frac{64}{130}, \frac{5}{10}$

- **Lesson 7-4** Solve each proportion.

13.  $\frac{a}{50} = \frac{3}{75}$                       14.  $\frac{18}{b} = \frac{3}{10}$                       15.  $\frac{51}{17} = \frac{c}{3}$                       16.  $\frac{2}{16} = \frac{d}{24}$                       17.  $\frac{3}{45} = \frac{4}{g}$

- **Lesson 7-5** Find each actual distance. Use a map scale of 1 centimeter : 100 kilometers.

18. 3.5 cm                      19. 1.3 cm                      20. 0.7 cm                      21. 5 cm

- **Lesson 7-6** Write each percent as a decimal and as a fraction in simplest form.

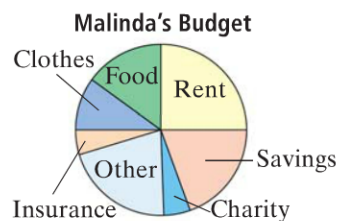
22. 42%                      23. 96%                      24. 80%                      25. 1%                      26. 87%                      27. 88%

- **Lesson 7-7** Find each answer.

28. 20% of 80                      29. 15% of 22.5                      30. 50% of 86                      31. 90% of 100

- **Lesson 7-8** Use the circle graph for Exercises 32–33.

32. What item accounts for the most money in Malinda's budget?  
33. About what percent of her budget does Malinda use for rent?



- **Lesson 7-9** Estimate a 15% tip for each bill amount.

34. \$34.90                      35. \$9.54                      36. \$17.50                      37. \$24.80