

Extra Practice ■ Chapter 4

LESSON 4-1

1. A stock's price in July was $\$19\frac{3}{8}$ and its price in October rose to $\$27\frac{1}{8}$. Estimate the difference between the price in July and the price in October.

Estimate each sum, difference, product or quotient.

2. $\frac{3}{8} + \frac{5}{6}$ 3. $\frac{7}{8} - \frac{1}{6}$ 4. $5\frac{3}{4} \cdot 2\frac{1}{8}$ 5. $7\frac{11}{12} \div 1\frac{7}{10}$

LESSON 4-2

Add or subtract. Write each answer in simplest form.

6. $\frac{3}{7} + \frac{5}{9}$ 7. $\frac{7}{8} - \frac{2}{3}$ 8. $\frac{7}{12} + \frac{5}{6}$ 9. $\frac{9}{10} - \frac{4}{5}$
10. Jacob and Julius spent $\frac{1}{4}$ hour swimming, $\frac{1}{10}$ hour eating a snack, and then $\frac{1}{2}$ hour hiking. How long did these activities take Jacob and Julius?

LESSON 4-3

Add or subtract. Write each answer in simplest form.

11. $9\frac{7}{8} - 4\frac{1}{4}$ 12. $3\frac{1}{2} + 2\frac{3}{4}$ 13. $9\frac{5}{6} - 6\frac{1}{3}$ 14. $5\frac{7}{12} + 2\frac{5}{8}$
15. The average male giraffe is about $17\frac{1}{2}$ feet tall. One of the giraffes at the zoo is $18\frac{1}{8}$ feet tall. How much taller is the giraffe at the zoo than the average male giraffe?

LESSON 4-4

Multiply. Write each answer in simplest form.

16. $\frac{2}{3} \cdot 12\frac{3}{4}$ 17. $3\frac{2}{9} \cdot \frac{1}{2}$ 18. $\frac{5}{7} \cdot 4\frac{3}{8}$ 19. $5\frac{2}{3} \cdot \frac{7}{12}$
20. Mary is $2\frac{1}{2}$ times as old as Victor. If Victor is $7\frac{1}{2}$ years old, how old is Mary?

LESSON 4-5

Divide. Write each answer in simplest form.

21. $\frac{7}{8} \div \frac{5}{6}$ 22. $\frac{7}{12} \div \frac{7}{8}$ 23. $\frac{2}{3} \div \frac{2}{5}$ 24. $2\frac{1}{4} \div \frac{1}{2}$
25. Each serving of chicken weighs $\frac{1}{3}$ pound. Melanie bought 12 pounds of chicken for a party. How many servings does she have?

LESSON 4-6

Solve. Write each answer in simplest form.

26. $\frac{1}{3} + s = \frac{2}{5}$ 27. $t - \frac{3}{8} = \frac{1}{6}$ 28. $\frac{5}{6} = \frac{1}{3}x$ 29. $\frac{2}{3}w = 240$
30. $n - \frac{5}{8} = \frac{5}{6}$ 31. $x - \frac{5}{8} = \frac{5}{8}$ 32. $\frac{2}{3}y = \frac{3}{4}$ 33. $\frac{r}{6} = \frac{1}{8}$

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LESSON 4-7

Add or subtract. Estimate to check whether each answer is reasonable.

34. $8.79 + 45.63$ 35. $34.7 - 7.85$ 36. $43.67 - 14.81$ 37. $18 + 7.32$
38. $34.43 + 62.57$ 39. $8.26 + 7.4$ 40. $8.75 - 5.43$ 41. $35.4 - 24.08$
42. Zoe gets to work in 25.5 minutes and gets home from work in 37.5 minutes. How much time does she spend commuting each day?

Multiply. Estimate to check whether each answer is reasonable.

43. $4.3 \cdot 2.8$ 44. $-3.38 \cdot 0.8$ 45. $-8 \cdot (-0.07)$ 46. $7.59 \cdot (-36)$
47. $67.4 \cdot 8.7$ 48. $5.66 \cdot 16.34$ 49. $43.9 \cdot 4.7$ 50. $73.3 \cdot 6.85$
51. Griffin works after school and on weekends. He worked 18.5 hours last week and gets paid \$7.90 per hour. How much did he earn last week?

LESSON 4-8

Divide. Estimate to check whether each answer is reasonable.

52. $63.5 \div 2$ 53. $36.6 \div 6$ 54. $62.8 \div 8$ 55. $56.05 \div 2$
56. $16.9 \div (-1.3)$ 57. $74.25 \div 6.6$ 58. $-4.8 \div 0.12$ 59. $-0.63 \div (-0.7)$
60. The diameter of a northern red oak tree grows an average of 0.4 inches per year. At this rate, how long will it take the tree's diameter to grow to 24.8 inches?

LESSON 4-9

Convert each measure.

61. 8.9 m to millimeters 62. 56 mg to grams 63. 900 mL to liters
64. 2 L to milliliters 65. 150 m to kilometers 66. 0.002 kg to milligrams
67. Anthony and Melinda are drinking apple juice. Anthony has 300 mL left and Melinda has 0.09L. Who has the greater amount of juice? Use estimation to explain why your answer makes sense.

LESSON 4-10

Solve.

68. $4.7 + s = 9$ 69. $t - 1.35 = 22$ 70. $4.8 = 6x$ 71. $9.6 = \frac{v}{8}$
72. $6.5 + n = 15.9$ 73. $x - 1.07 = 8.5$ 74. $6.2y = 21.08$ 75. $\frac{r}{13} = 3.25$
76. Billy worked 7.5 hours and earned \$56.70. What is Billy's hourly wage?