

# CRCT GPS Practice ■ Chapter 3

## LESSON 3-1

Estimate by rounding to the nearest integer.

- $145.2 \cdot 6.7$
- $26.23 + 201.86$
- $438.57 - 129.39$
- $55.72 \div 7.48$
- $-5.87 \cdot 7.39$
- $54.51 + 135.47$
- $-87.23 - 32.62$
- $63.38 \div 4.77$
- Caden has \$48.50. He thinks he can buy three CDs for \$16.99 each. Use estimation to check whether his assumption is reasonable.

## LESSON 3-2

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

- $8.79 + 45.63$
- $-7.85 - (-34.7)$
- $43.67 - 14.81$
- $-18 + (-7.32)$
- $34.43 + (-62.57)$
- $-8.26 + 7.4$
- $-8.75 - 5.43$
- $-35.4 - (-24.08)$
- 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?

## LESSON 3-3

Multiply. Estimate to check whether each answer is reasonable.

- $4.3 \cdot 2.8$
- $-3.38 \cdot 0.8$
- $-8 \cdot (-0.07)$
- $7.59 \cdot (-36)$
- $-67.4 \cdot (-8.7)$
- $5.66 \cdot (-16.34)$
- $-43.9 \cdot (-4.7)$
- $73.3 \cdot 6.85$
- 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 3-4

Divide. Estimate to check whether each answer is reasonable.

- $32.8 \div (-4)$
- $-10.5 \div 4$
- $-25.6 \div 8$
- $-69.6 \div (-6)$
- $63.5 \div (-2)$
- $36.6 \div 6$
- $-62.8 \div 8$
- $56.05 \div 2$
- Robert is considering purchasing a bike on the internet. The four bikes he has found are priced \$79.15, \$101.25, \$94.18, and \$130.62. What is the average price of these bikes?

## LESSON 3-5

Divide. Estimate to check whether each answer is reasonable.

37.  $16.9 \div (-1.3)$       38.  $74.25 \div 6.6$       39.  $-4.8 \div 0.12$       40.  $-0.63 \div (-0.7)$   
 41.  $-36.04 \div 4.24$       42.  $34.672 \div (-4.4)$       43.  $-128.685 \div 37.3$       44.  $-231.28 \div (-41.3)$
45. 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 3-6

Solve.

46.  $4.7 + s = 9$       47.  $t - 1.35 = -22$       48.  $-4.8 = -6x$       49.  $9.6 = \frac{v}{8}$   
 50.  $-6.5 + n = 5.9$       51.  $x - 1.07 = -8.5$       52.  $-6.2y = -21.08$       53.  $\frac{r}{13} = 3.25$
54. Billy worked 7.5 hours and earned \$56.70. What is Billy's hourly wage?
55. A single movie ticket costs \$7.25. The Brown family consists of Mr. and Mrs. Brown, Amy, and her two brothers. What does it cost the Brown family to go to the movies together?
56. The same cereal costs \$3.99 per box at one store, \$3.25 per box at another store, and \$3.59 per box at a third store. What is the average price per box of the cereal?

## LESSON 3-7

Estimate each sum, difference, product or quotient.

57.  $\frac{3}{8} + \frac{5}{6}$       58.  $\frac{7}{8} - \frac{1}{6}$       59.  $5\frac{3}{4} + 2\frac{3}{8}$       60.  $6\frac{2}{3} - 2\frac{1}{6}$   
 61.  $4\frac{7}{12} + 2\frac{3}{8}$       62.  $\frac{7}{16} - 2\frac{3}{4}$       63.  $8\frac{9}{10} + 1\frac{1}{9}$       64.  $3\frac{2}{5} - 1\frac{4}{7}$
65. 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.

## LESSON 3-8

Add or subtract. Write each answer in simplest form.

66.  $\frac{1}{4} + \frac{1}{3}$       67.  $\frac{3}{11} - \frac{3}{22}$       68.  $-\frac{3}{6} + \frac{2}{3}$       69.  $-\frac{1}{4} - \frac{7}{10}$   
 70.  $\frac{3}{7} + \frac{5}{9}$       71.  $\frac{7}{8} - \frac{2}{3}$       72.  $\frac{7}{12} + \frac{5}{6}$       73.  $\frac{4}{5} - \frac{9}{10}$
74. 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 3-9

Add or subtract. Write each answer in simplest form.

75.  $9\frac{7}{8} - 4\frac{1}{4}$

76.  $3\frac{1}{2} + 2\frac{3}{4}$

77.  $9\frac{5}{6} - 6\frac{1}{3}$

78.  $5\frac{7}{12} + 2\frac{5}{8}$

79.  $7\frac{1}{4} - 3\frac{2}{3}$

80.  $4\frac{2}{3} + 3\frac{7}{8}$

81.  $8\frac{2}{5} - 3\frac{9}{10}$

82.  $3\frac{7}{8} + 4\frac{3}{5}$

83. 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 3-10

Multiply. Write each answer in simplest form.

84.  $\frac{2}{3} \cdot 12\frac{3}{4}$

85.  $3\frac{2}{9} \cdot \frac{1}{2}$

86.  $\frac{5}{7} \cdot 4\frac{3}{8}$

87.  $5\frac{2}{3} \cdot \frac{7}{12}$

88.  $4\frac{3}{5} \cdot 3\frac{2}{3}$

89.  $3\frac{1}{3} \cdot 2\frac{5}{6}$

90.  $2\frac{1}{4} \cdot 3\frac{3}{4}$

91.  $4\frac{1}{5} \cdot 5\frac{1}{12}$

92. 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 3-11

Divide. Write each answer in simplest form.

93.  $\frac{7}{8} \div \frac{5}{6}$

94.  $\frac{7}{12} \div \frac{7}{8}$

95.  $\frac{2}{3} \div \frac{2}{5}$

96.  $2\frac{1}{4} \div \frac{1}{2}$

97.  $5\frac{7}{8} \div \frac{5}{6}$

98.  $3\frac{3}{4} \div 1\frac{1}{4}$

99.  $2\frac{5}{6} \div 4\frac{1}{3}$

100.  $5\frac{2}{3} \div 2\frac{1}{2}$

101. 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 3-12

Solve. Write each answer in simplest form.

102.  $\frac{1}{3} + s = \frac{2}{5}$

103.  $t - \frac{3}{8} = -\frac{5}{6}$

104.  $-\frac{5}{6} = -\frac{1}{3}x$

105.  $\frac{2}{3}w = 240$

106.  $-\frac{5}{8} + n = \frac{5}{6}$

107.  $x - \frac{5}{8} = -\frac{5}{8}$

108.  $-\frac{2}{3}y = -\frac{3}{4}$

109.  $\frac{r}{6} = \frac{1}{8}$

110. Jorge owns  $1\frac{3}{4}$  acres of land. Juanita, his neighbor, owns  $2\frac{2}{3}$  acres. How many acres do they own in all?

111. Kyra uses  $2\frac{1}{4}$  feet of ribbon to wrap each of the identical fruit baskets that she sells. How many baskets can she wrap with a 144-foot roll of ribbon?