CRCT GPS Practice ▪ Chapter 2

LESSON 2-1

Use a number line to order the integers from least to greatest.

1. $5, -3, -1, 2, 0$ **2.** $-4, -1, 3, 1, 4$ **3.** $-5, 0, -3, 2, 4$

Use a number line to find each absolute value.

4. $|-22|$ **5.** $|9|$ **6.** $|-13|$ **7.** $|21|$

LESSON 2-2

Find each sum.

8. $8 + (-4)$ **9.** $-3 + (-6)$ **10.** $-5 + 9$ **11.** $-7 + (-2)$

Evaluate $c + d$ for the given values.

12. $c = 5, d = -9$ **13.** $c = 12, d = 9$ **14.** $c = -7, d = -2$ **15.** $c = -16, d = 8$

16. The temperature in Pierre at 8:00 A.M. was $-33°F$. It rose $20°F$ in 9 hours. What was the temperature at 5:00 P.M.?

LESSON 2-3

Find each difference.

17. $6 - (-3)$ **18.** $-4 - (-8)$ **19.** $2 - 7$ **20.** $3 - (-4)$

Evaluate $a - b$ for each set of values.

21. $a = 5, b = -8$ **22.** $a = -12, b = -6$ **23.** $a = 6, b = 13$ **24.** $a = 9, b = -17$

25. The highest mountain in the continental United States is Mount McKinley at about 20,320 feet. Death Valley, California, is the lowest point at about 282 feet below sea level. What is the difference between the highest and lowest points in the United States?

LESSON 2-4

Find each product or quotient.

26. $-9 \div 3$ **27.** $8 \cdot (-3)$ **28.** $16 \div 4$ **29.** $-7 \cdot 3$

30. $-2 \cdot 9$ **31.** $15 \div (-5)$ **32.** $6 \cdot 7$ **33.** $-72 \div (-12)$

34. A submarine descends below the ocean's surface at a rate of 75 feet per minute. How many feet below the ocean's surface will the submarine be in 12 minutes?

LESSON 2-5

Solve each equation. Check your answer.

35. $n - 25 = -18$ **36.** $y + (-13) = 61$ **37.** $21 = \frac{s}{4}$ **38.** $15y = -45$

39. $\frac{k}{-18} = 2$ **40.** $h - (-7) = -42$ **41.** $6 = \frac{z}{9}$ **42.** $68 = 4 + p$

43. Martin deposited $76 and withdrew $100 from his bank account. He now has $202 in his account. How much money did he start with?

LESSON 2-6

Write the prime factorization of each number.

44. 78 **45.** 144 **46.** 96 **47.** 95

48. 176 **49.** 156 **50.** 336 **51.** 675

52. 888 **53.** 2,800 **54.** 780 **55.** 682

LESSON 2-7

Find the greatest common factor (GCF).

56. 6, 15 **57.** 18, 27 **58.** 26, 65 **59.** 60, 25

60. 84, 48 **61.** 90, 34 **62.** 49, 56 **63.** 36, 120

64. 30, 75 **65.** 32, 68 **66.** 81, 75 **67.** 30, 70, 65, 100

68. 21, 77 **69.** 64, 84, 120 **70.** 20, 40, 80, 140 **71.** 49, 98

72. José is making identical gift bags to sell at his concert. He has 51 CDs and 34 copies of his book. What is the greatest number of gift bags José can make using all of the CDs and all of the books?

LESSON 2-8

Find the least common multiple (LCM).

73. 12, 15 **74.** 30, 12 **75.** 16, 32 **76.** 25, 40

77. 30, 75 **78.** 12, 64 **79.** 15, 50 **80.** 15, 30, 50, 100

81. 21, 28 **82.** 15, 22, 30 **83.** 20, 40, 80, 120 **84.** 42, 90

85. Kanisha shoots a basket every 7 seconds. Thomas shoots a basket every 12 seconds. They begin at the same time. How many seconds will have passed when they next shoot a basket at the same time?

LESSON 2-9

Find a fraction equivalent to the given number.

86. $\frac{1}{5}$ **87.** $7\frac{2}{3}$ **88.** 96   **89.** $\frac{50}{13}$

Determine whether the fractions in each pair are equivalent.

90. $\frac{2}{7}$ and $\frac{3}{4}$ **91.** $\frac{4}{6}$ and $\frac{12}{18}$ **92.** $\frac{7}{8}$ and $\frac{20}{24}$ **93.** $\frac{5}{12}$ and $\frac{15}{36}$

Write each improper fraction as a mixed number. Write each mixed number as an improper fraction.

94. $\frac{19}{5}$ **95.** $\frac{23}{8}$ **96.** $3\frac{4}{5}$ **97.** $2\frac{13}{15}$

LESSON 2-10

Write each fraction as a decimal. Round to the nearest hundredth, if necessary.

98. $\frac{4}{5}$ **99.** $\frac{6}{8}$ **100.** $\frac{57}{15}$ **101.** $-\frac{75}{10}$

Write each decimal as a fraction in simplest form.

102. 0.85   **103.** -0.04 **104.** 0.875   **105.** 2.6

106. Brianna sold 84 of the 96 CDs that she brought to sell at her concert. What portion of the CDs did she sell?

107. Jacob used 44 of the 60 pages in his journal. What portion of the pages did he use? Write your answer as a decimal rounded to the nearest hundredth.

LESSON 2-11

Compare the fractions. Write $<$ or $>$.

108. $\frac{8}{13}$ ▇ $\frac{5}{13}$ **109.** 0.82 ▇ 0.88   **110.** $-\frac{8}{9}$ ▇ $-\frac{11}{12}$ **111.** -1.024 ▇ 1.007

Order the numbers from least to greatest.

112. 0.5, 0.58, $\frac{6}{13}$ **113.** 2.7, 2.59, $2\frac{7}{12}$ **114.** $-0.61, -0.55, -\frac{9}{15}$