Extra Practice · Chapter 3

LESSON 3-1

Tell whether each number is prime or composite.

1. 11	**2.** 24	**3.** 61	**4.** 45
5. 39	**6.** 83	**7.** 53	**8.** 77

Write the prime factorization of each number.

9. 78	**10.** 144	**11.** 96	**12.** 95
13. 176	**14.** 156	**15.** 336	**16.** 675
17. 888	**18.** 2,800	**19.** 780	**20.** 682

LESSON 3-2

Find the greatest common divisor (GCD).

21. 6, 15	**22.** 18, 27	**23.** 26, 65	**24.** 60, 25
25. 84, 48	**26.** 90, 34	**27.** 49, 56	**28.** 36, 120
29. 30, 75	**30.** 32, 68	**31.** 81, 75	**32.** 30, 70, 65, 100
33. 21, 77	**34.** 64, 84, 120	**35.** 20, 40, 80, 140	**36.** 49, 98

37. José is making identical gift bags that will be given away as door prizes at his concert. He has 51 posters and 34 T-shirts. What is the greatest number of gift bags José can make using all of the posters and all of the T-shirts?

38. Kieve is arranging chairs for a concert. There are 80 metal chairs and 24 cushioned chairs. Each row will have the same number of metal chairs and the same number of cushioned chairs. What is the greatest number of rows Kieve can make by using all of the chairs?

LESSON 3-3

Find the least common multiple (LCM).

39. 12, 15	**40.** 30, 12	**41.** 16, 32	**42.** 25, 40
43. 30, 75	**44.** 12, 64	**45.** 15, 50	**46.** 15, 30, 50, 100
47. 21, 28	**48.** 15, 22, 30	**49.** 20, 40, 80, 120	**50.** 42, 90

51. 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?

52. Ron cleans the glass of his fish tank every 30 days and changes the water every 20 days. If Ron does both today, how many days will pass before he does them both on the same day again?

LESSON 3-4

Find two fractions equivalent to the given fraction.

53. $\frac{1}{5}$ **54.** $\frac{8}{12}$ **55.** $\frac{4}{10}$ **56.** $\frac{14}{50}$

Determine whether the fractions in each pair are equivalent.

57. $\frac{2}{7}$ and $\frac{3}{4}$ **58.** $\frac{4}{6}$ and $\frac{12}{18}$ **59.** $\frac{7}{8}$ and $\frac{20}{24}$ **60.** $\frac{5}{12}$ and $\frac{15}{36}$

Write each as a mixed number.

61. $\frac{19}{5}$ **62.** $\frac{23}{8}$ **63.** $\frac{41}{6}$ **64.** $\frac{98}{15}$

Write each as an improper fraction.

65. $2\frac{1}{5}$ **66.** $2\frac{13}{15}$ **67.** $6\frac{7}{8}$ **68.** $72\frac{1}{3}$

LESSON 3-5

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

69. $\frac{4}{5}$ **70.** $\frac{6}{8}$ **71.** $\frac{57}{15}$ **72.** $-\frac{75}{10}$

Write each decimal as a fraction in simplest form.

73. 0.85 **74.** −0.04 **75.** 0.875 **76.** 2.6

77. Brianna sold 84 of the 96 CDs that she brought to sell at her concert. What portion of the CDs did she sell? Write your answer as a decimal.

78. 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 3-6

Compare the fractions. Write < or >.

79. $\frac{8}{13} \square \frac{5}{13}$ **80.** $\frac{1}{4} \square \frac{1}{3}$ **81.** $-\frac{8}{9} \square -\frac{11}{12}$ **82.** $\frac{3}{5} \square \frac{5}{8}$

Compare the decimals. Write < or >.

83. 0.88 ☐ 0.82 **84.** −1.24 ☐ 1.07 **85.** 4.02 ☐ 4.12 **86.** −1.4 ☐ −1.9

Order the numbers from least to greatest. Graph the numbers on a number line.

87. 0.5, 0.58, $\frac{6}{13}$ **88.** 2.7, 2.59, $2\frac{7}{12}$ **89.** −0.61, −0.55, $-\frac{9}{15}$

90. $\frac{3}{10}$, −0.2, $\frac{2}{5}$ **91.** −0.4, $-\frac{9}{20}$, −0.42 **92.** 1.7, $1\frac{2}{3}$, $\frac{8}{5}$