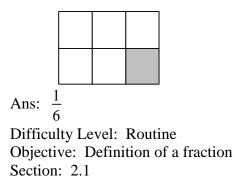
Chapter 2 Fractions: Multiplication and Division

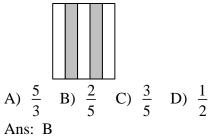
1.	Identify the numerator and the denominator. $\frac{5}{6}$	
	Ans: numerator: 5; denominator 6 Difficulty Level: Routine Objective: Definition of a fraction Section: 2.1	
2.	Write the fraction as a division problem and simplify, if possible.	$\frac{10}{1}$
	Ans: 10 ÷ 1; 10 Difficulty Level: Moderate Objective: Definition of a fraction Section: 2.1	
3.	Write the fraction as a division problem and simplify, if possible.	$\frac{2}{2}$
	Ans: 2 ÷ 2; 1 Difficulty Level: Moderate Objective: Definition of a fraction Section: 2.1	
4.	Write the fraction as a division problem and simplify, if possible.	$\frac{0}{2}$
	A) $0 \div 2$; 0 B) $0 \div 2$; undefined C) $2 \div 0$; 0 D) $2 \div 0$; undefine Ans: A Difficulty Level: Moderate Objective: Definition of a fraction Section: 2.1	ed
5.	Write the fraction as a division problem and simplify, if possible.	$\frac{6}{0}$
	A) $6 \div 0$; 0 B) $6 \div 0$; undefined C) $0 \div 6$; 0 D) $0 \div 6$; undefine Ans: B Difficulty Level: Difficult Objective: Definition of a fraction Section: 2.1	ed

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6. Write a fraction that represents the shaded area.



7. Write a fraction that represents the shaded area.



Difficulty Level: Routine Objective: Definition of a fraction Section: 2.1

8. A class has 20 children, 11 girls and 9 boys. What fraction of the class is made up of boys?

Ans:
$$\frac{9}{20}$$

Difficulty Level: Difficult Objective: Definition of a fraction Section: 2.1

9. Label the fraction as proper or improper. $\frac{9}{10}$

A) proper B) improperAns: ADifficulty Level: RoutineObjective: Proper and improper fractionsSection: 2.1

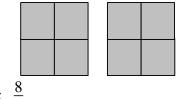
10. Label the fraction as proper or improper. $\frac{2}{2}$

A) proper B) improperAns: BDifficulty Level: ModerateObjective: Proper and improper fractionsSection: 2.1

11. Label the fraction as proper or improper. $\frac{8}{7}$

A) proper B) improperAns: BDifficulty Level: RoutineObjective: Proper and improper fractionsSection: 2.1

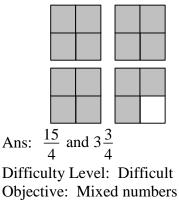
12. Write an improper fraction for the shaded portion of the group of figures.



Ans: $\frac{o}{4}$

Difficulty Level: Difficult Objective: Proper and improper fractions Section: 2.1

13. Write an improper fraction and a mixed number for the shaded portion of the group of figures.



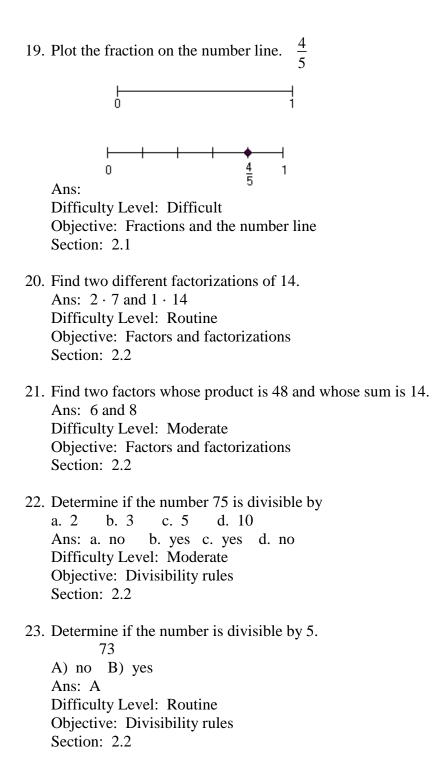
Section: 2.1

- 14. Convert the mixed number to an improper fraction. $3\frac{5}{6}$
 - A) $\frac{7}{3}$ B) $\frac{23}{6}$ C) $\frac{19}{2}$ D) $\frac{25}{6}$ Ans: B Difficulty Level: Moderate Objective: Mixed numbers Section: 2.1
- 15. Convert the mixed number to an improper fraction. $3\frac{2}{9}$
 - Ans: $\frac{29}{9}$ Difficulty Level: Moderate Objective: Mixed numbers Section: 2.1
- 16. Convert the improper fraction to a mixed number.
 - A) $2\frac{2}{7}$ B) $2\frac{1}{8}$ C) $7\frac{1}{16}$ D) $16\frac{1}{7}$ Ans: A Difficulty Level: Moderate Objective: Mixed numbers Section: 2.1
- 17. Convert the improper fraction to a mixed number.

 $\frac{123}{8}$

 $\frac{16}{7}$

- Ans: $15\frac{3}{8}$ Difficulty Level: Moderate Objective: Mixed numbers Section: 2.1
- 18. Divide. Write the quotient as a mixed number. 10)979
 - Ans: $97\frac{9}{10}$ Difficulty Level: Moderate Objective: Mixed numbers Section: 2.1



24. Determine if the number 2100 is divisible by
a. 2 b. 3 c. 5 d. 10
Ans: a. yes b. yes c. yes d. yes
Difficulty Level: Moderate
Objective: Divisibility rules
Section: 2.2

25. A teacher has 34 students in her class. Can she distribute a package of 70 candies evenly to her students?A) yes B) no

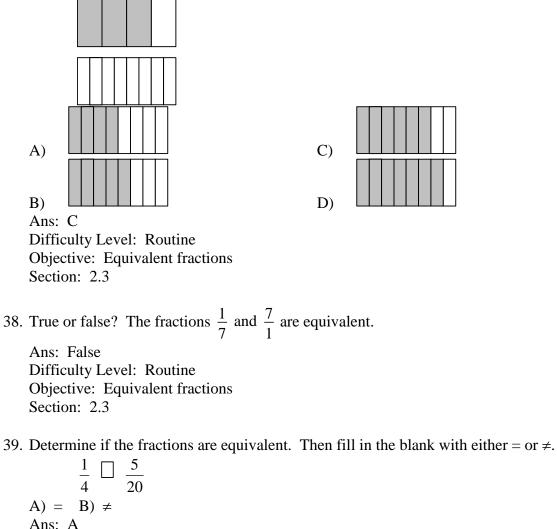
Ans: B Difficulty Level: Moderate Objective: Divisibility rules Section: 2.2

- 26. Which number is prime?
 A) 1 B) 12 C) 31 D) 99
 Ans: C
 Difficulty Level: Routine
 Objective: Prime and composite numbers
 Section: 2.2
- 27. The number 26 is ______.
 A) prime B) composite C) neither prime nor composite Ans: B
 Difficulty Level: Routine
 Objective: Prime and composite numbers
 Section: 2.2
- 28. The number 1 is _____.
 A) prime B) composite C) neither prime nor composite Ans: C
 Difficulty Level: Moderate
 Objective: Prime and composite numbers
 Section: 2.2
- 29. The number 0 is ______.
 A) prime B) composite C) neither prime nor composite Ans: C
 Difficulty Level: Moderate
 Objective: Prime and composite numbers
 Section: 2.2

- 30. <u>True or false?</u> 67 is a composite number. Ans: False
 Difficulty Level: Routine
 Objective: Prime and composite numbers Section: 2.2
- 31. Find the prime factorization of 40. Ans: 2 · 2 · 2 · 5 Difficulty Level: Moderate Objective: Prime factorization Section: 2.2
- 32. Find the prime factorization of 19. Ans: prime Difficulty Level: Routine Objective: Prime factorization Section: 2.2
- 33. List all the factors of 16.Ans: 1, 2, 4, 8, 16Difficulty Level: ModerateObjective: Identifying all factors of a whole numberSection: 2.2
- 34. List all the factors of 45.
 A) 1, 3, 5, 9, 45 B) 1, 3, 5, 9, 15 C) 1, 3, 5, 9, 15, 45 D) 1, 3, 5, 6, 15, 45
 Ans: C
 Difficulty Level: Moderate
 Objective: Identifying all factors of a whole number
 Section: 2.2
- 35. List all the factors of 54.Ans: 1, 2, 3, 6, 9, 18, 27, 54Difficulty Level: ModerateObjective: Identifying all factors of a whole numberSection: 2.2
- 36. Find the prime factorization of 135. Ans: 3 · 3 · 3 · 5 Difficulty Level: Moderate Objective: Prime factorization Section: 2.2

Chapter 2

37. Shade the second figure so that it expresses a fraction equivalent to the first figure.



Ans: A Difficulty Level: Moderate **Objective:** Equivalent fractions

- Section: 2.3
- 40. Determine if the fractions are equivalent. Then fill in the blank with either = or \neq .

13 25 14 28 A) = B) \neq Ans: B Difficulty Level: Moderate **Objective:** Equivalent fractions Section: 2.3

41. Determine if the fractions are equivalent. Then fill in the blank with either = or \neq .

 $\frac{12}{27} \Box \frac{4}{9}$ A) = B) \neq Ans: A
Difficulty Level: Moderate
Objective: Equivalent fractions
Section: 2.3

42. Simplify the fraction to lowest terms. Write the answer as a fraction or a whole number.

 $\frac{2}{4}$ Ans: $\frac{1}{2}$ Difficulty Level: Moderate
Objective: Simplifying fractions to lowest terms
Section: 2.3

43. Simplify the fraction to lowest terms. Write the answer as a fraction or a whole number.

 $\frac{12}{20}$ A) $\frac{6}{10}$ B) $\frac{6}{20}$ C) $\frac{3}{10}$ D) $\frac{3}{5}$ Ans: D
Difficulty Level: Moderate
Objective: Simplifying fractions to lowest terms
Section: 2.3

44. Simplify the fraction to lowest terms. Write the answer as a fraction or a whole number.

 $\frac{39}{33}$ Ans: $\frac{13}{11}$ Difficulty Level: Moderate
Objective: Simplifying fractions to lowest terms
Section: 2.3

45. Simplify the fraction to lowest terms. Write the answer as a fraction or a whole number. 25

25 Ans: 1 Difficulty Level: Moderate Objective: Simplifying fractions to lowest terms Section: 2.3

46. Simplify the fraction to lowest terms. Write the answer as a fraction or a whole number. $\frac{21}{2}$

7 Ans: 3 Difficulty Level: Moderate Objective: Simplifying fractions to lowest terms Section: 2.3

47. Simplify the fraction to lowest terms. Write the answer as a fraction or a whole number.

 $\frac{99}{110}$ A) $\frac{9}{11}$ B) $\frac{9}{10}$ C) $\frac{11}{9}$ D) $\frac{10}{9}$ Ans: B Difficulty Level: Moderate Objective: Simplifying fractions to lowest terms Section: 2.3

48. Simplify the fraction to lowest terms. Write the answer as a fraction or a whole number. 57

 $\overline{133}$ Ans: $\frac{3}{7}$ Difficulty Level: Difficult
Objective: Simplifying fractions to lowest terms
Section: 2.3

49. Simplify the fraction to lowest terms. Write the answer as a fraction or a whole number.

 $\frac{60}{70}$ Ans: $\frac{6}{7}$ Difficulty Level: Difficult
Objective: Simplifying fractions to lowest terms
Section: 2.3

50. Use the order of operations to simplify.

$$\frac{6+2}{6-3}$$
A) $\frac{4}{3}$ B) $\frac{8}{9}$ C) 2 D) $\frac{8}{3}$
Ans: D
Difficulty Level: Moderate
Objective: Simplifying fractions to lowest terms
Section: 2.3

51. Simplify to lowest terms by first reducing the powers of 10.

 $\frac{1600}{2800}$ Ans: $\frac{4}{7}$ Difficulty Level: Difficult
Objective: Simplifying fractions by powers of 10
Section: 2.3

- 52. Angel tossed a coin 54 times and heads came up 22 times. What fractional part of the tosses came up heads? What fractional part came up tails?
 - A) heads: $\frac{10}{27}$; tails: $\frac{17}{27}$ C) heads: $\frac{11}{27}$; tails: $\frac{14}{27}$ B) heads: $\frac{13}{27}$; tails: $\frac{17}{27}$ D) heads: $\frac{11}{27}$; tails: $\frac{16}{27}$

Ans: D

Difficulty Level: Difficult

Objective: Applications of simplifying fractions Section: 2.3

53. At a raffle, Joe purchased 8 tickets. If 160 tickets were sold, what fraction of the tickets does Joe have?

Ans: $\frac{1}{20}$ Difficulty Level: Difficult Objective: Applications of simplifying fractions Section: 2.3

Chapter 2

54. Allen and Rajiv worked on their homework together. Allen finished 18 of the 30 problems he was assigned, and Rajiv finished 28 of the 35 problems he was assigned.a. What fractional part of his total number of homework problems did each boy finish?b. Which boy finished the greater fractional part?

Ans: a. Allen:
$$\frac{3}{5}$$
; Rajiv: $\frac{4}{5}$

b. Rajiv finished the greater fractional part. Difficulty Level: Difficult Objective: Applications of simplifying fractions Section: 2.3

- 55. Find $\frac{1}{3}$ of $\frac{1}{4}$. A) $\frac{4}{3}$ B) $\frac{3}{4}$ C) $\frac{1}{7}$ D) $\frac{1}{12}$ Ans: D Difficulty Level: Routine Objective: Multiplication of fractions Section: 2.4
- 56. Multiply and write the answer as a fraction. $\frac{1}{6} \cdot \frac{5}{9}$

Ans: $\frac{5}{54}$ Difficulty Level: Routine Objective: Multiplication of fractions Section: 2.4

57. Multiply and write the answer as a fraction.

A) $\frac{8}{45}$ B) $\frac{4}{7}$ C) $\frac{360}{45}$ D) $\frac{5}{18}$ Ans: A Difficulty Level: Routine Objective: Multiplication of fractions Section: 2.4

$$\left(\frac{2}{9}\right)\left(\frac{4}{5}\right)$$

 $3 \cdot \left(\frac{5}{7}\right)$

58. Multiply and write the answer as a fraction.

Ans: $\frac{15}{7}$ Difficulty Level: Routine **Objective:** Multiplication of fractions Section: 2.4

59. Multiply and write the answer as a fraction. $\frac{9}{8} \times \frac{3}{2}$

Ans: $\frac{27}{16}$ Difficulty Level: Routine **Objective:** Multiplication of fractions Section: 2.4

60. Multiply and simplify to lowest terms. Write the answer as a fraction or whole number.

 $\frac{7}{12} \times \frac{3}{11}$ Ans: $\frac{7}{44}$ Difficulty Level: Moderate Objective: Multiplication of fractions Section: 2.4

61. Multiply and simplify to lowest terms. Write the answer as a fraction or whole number.

$$\left(\frac{32}{5}\right)\left(\frac{35}{20}\right)$$
A) $\frac{52}{5}$ B) $\frac{54}{5}$ C) $\frac{56}{5}$ D) $\frac{58}{5}$
Ans: C
Difficulty Level: Moderate
Objective: Multiplication of fractions
Section: 2.4

62. Multiply and simplify to lowest terms. Write the answer as a fraction or whole number.

$$\left(\frac{35}{3}\right)\left(\frac{9}{49}\right)$$
$$\frac{15}{7}$$

Ans:

Difficulty Level: Moderate Objective: Multiplication of fractions Section: 2.4

63. Multiply and simplify to lowest terms. Write the answer as a fraction or whole number.

 $\frac{15}{7} \cdot \frac{35}{3}$ A) 25 B) $\frac{525}{21}$ C) $\frac{75}{3}$ D) $\frac{175}{7}$ Ans: A
Difficulty Level: Moderate
Objective: Multiplication of fractions
Section: 2.4

64. Multiply and simplify to lowest terms. Write the answer as a fraction or whole number.

$$\frac{12}{16} \times \frac{25}{3} \times \frac{8}{5}$$
A) $\frac{100}{10}$ B) $\frac{60}{3}$ C) 10 D) 20
Ans: C
Difficulty Level: Difficult
Objective: Multiplication of fractions
Section: 2.4

65. Find the power of
$$\frac{1}{10}$$
.
 $\left(\frac{1}{10}\right)^{6}$
A) $\frac{1}{100,000}$ B) $\frac{1}{1,000,000}$ C) $\frac{1}{10,000,000}$ D) 10,000,000
Ans: B
Difficulty Level: Moderate
Objective: Fractions and the order of operations
Section: 2.4

66. Simplify. Write the answer as a fraction or whole number.

$$\left(\frac{1}{9}\right)^2$$
A) $\frac{1}{18}$ B) $\frac{2}{9}$ C) $\frac{1}{81}$ D) 18
Ans: C
Difficulty Level: Moderate
Objective: Fractions and the order of operations
Section: 2.4

67. Simplify. Write the answer as a fraction or whole number.

$$\left(5 \cdot \frac{2}{5}\right)^{3}$$
A) $\frac{8}{25}$ B) $\frac{1000}{5}$ C) 6 D) 8
Ans: D
Difficulty Level: Difficult
Objective: Fractions and the order of operations
Section: 2.4

68. Simplify. Write the answer as a fraction or whole number.

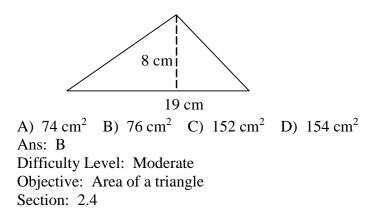
$$\frac{1}{4} \cdot \left(\frac{24}{5} \cdot \frac{15}{6}\right)$$
A) 12 B) $\frac{1}{12}$ C) 3 D) $\frac{1}{3}$

Ans: C Difficulty Level: Difficult Objective: Fractions and the order of operations Section: 2.4

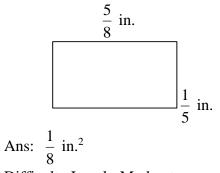
69. Simplify. Write the answer as a fraction or whole number.

$$\frac{81}{4} \cdot \left(\frac{1}{3}\right)^{3}$$
A) $\frac{3}{4}$ B) $\frac{9}{2}$ C) $\frac{27}{4}$ D) $\frac{1}{2}$

Ans: A Difficulty Level: Difficult Objective: Fractions and the order of operations Section: 2.4 70. Find the area of the figure.



71. Find the area of the figure.



Difficulty Level: Moderate Objective: Area of a triangle Section: 2.4

72. A recipe calls for $\frac{1}{3}$ cup of water. If the recipe is being tripled, how much water should be used?

A) $\frac{1}{9}$ cup B) 1 cup C) $\frac{1}{3}$ cup D) 3 cups Ans: B Difficulty Level: Moderate Objective: Applications of multiplying fractions Section: 2.4

- 73. Joseph exercises 3 times a day for $\frac{7}{8}$ hours per exercise session. How many hours does he exercise per day?
 - A) $\frac{21}{8}$ hours per dayC) $\frac{7}{8}$ hours per dayB) $\frac{5}{4}$ hours per dayD)3 hours per day
 - Ans: A Difficulty Level: Moderate Objective: Applications of multiplying fractions Section: 2.4
- 74. Find the reciprocal of the number, if it exists.

$$\frac{3}{7}$$
Ans: $\frac{7}{3}$
Difficulty Level: Routine
Objective: Reciprocal of a fraction
Section: 2.5

75. Find the reciprocal of the number, if it exists.

6 A) 1 B) 6 C) $\frac{1}{6}$ D) No reciprocal exists. Ans: C Difficulty Level: Routine Objective: Reciprocal of a fraction Section: 2.5

76. Find the reciprocal of the number, if it exists.

 $\frac{0}{3}$ A) 3 B) 0 C) $\frac{3}{0}$ D) No reciprocal exists. Ans: D Difficulty Level: Routine Objective: Reciprocal of a fraction Section: 2.5 77. Fill in the blank.

Dividing by 9 is the same as multiplying by _____.

Ans: $\frac{1}{9}$ Difficulty Level: Routine Objective: Division of fractions Section: 2.5

78. Divide and simplify the answer to lowest terms. Write the answer as a fraction or whole number.

 $\frac{8}{23} \div \frac{10}{23}$ Ans: $\frac{4}{5}$ Difficulty Level: Moderate
Objective: Division of fractions
Section: 2.5

79. Divide and simplify the answer to lowest terms. Write the answer as a fraction or whole number.

 $\frac{10}{17} \div \frac{10}{17}$ Ans: 1
Difficulty Level: Moderate
Objective: Division of fractions
Section: 2.5

80. Divide and simplify the answer to lowest terms. Write the answer as a fraction or whole number.

 $3 \div \frac{8}{13}$ Ans: $\frac{39}{8}$ Difficulty Level: Moderate
Objective: Division of fractions
Section: 2.5

81. Divide and simplify the answer to lowest terms. Write the answer as a fraction or whole number.

$$\frac{5}{4} \div \frac{1}{4}$$
A) 5 B) $\frac{5}{16}$ C) $\frac{1}{5}$ D) 20
Ans: A
Difficulty Level: Moderate
Objective: Division of fractions
Section: 2.5

82. Divide and simplify the answer to lowest terms. Write the answer as a fraction or whole number.

$$\frac{20}{9} \div 4$$
A) $\frac{20}{36}$ B) $\frac{80}{9}$ C) $\frac{5}{9}$ D) $\frac{36}{20}$
Ans: C
Difficulty Level: Moderate
Objective: Division of fractions
Section: 2.5

83. Divide and simplify the answer to lowest terms. Write the answer as a fraction or whole number.

$$\frac{9}{10} \div \frac{12}{5}$$
A) $\frac{3}{8}$ B) $\frac{54}{25}$ C) $\frac{8}{3}$ D) $\frac{25}{54}$
Ans: A
Difficulty Level: Moderate
Objective: Division of fractions
Section: 2.5

84. Simplify using the order of operations. Write the answer as a fraction or whole number.

$$\frac{56}{18} \div \frac{7}{6} \div \frac{4}{3}$$
A) $\frac{8}{7}$ B) 2 C) $\frac{32}{9}$ D) 4
Ans: B
Difficulty Level: Difficult
Objective: Order of operations
Section: 2.5

85. Simplify using the order of operations. Write the answer as a fraction or whole number.

 $\left(\frac{4}{7} \div \frac{8}{5}\right) \cdot \frac{2}{3}$ A) 16 B) $\frac{8}{15}$ C) $\frac{5}{21}$ D) $\frac{4}{35}$ Ans: C
Difficulty Level: Difficult
Objective: Order of operations
Section: 2.5

86. Simplify using the order of operations. Write the answer as a fraction or whole number.

$$\left(\frac{3}{10}\right)^2 \div \frac{9}{4}$$
Ans: $\frac{1}{25}$
Difficulty Level: Difficult
Objective: Order of operations
Section: 2.5

87. Simplify using the order of operations. Write the answer as a fraction or whole number.

$$\left(\frac{3}{4} \div \frac{15}{7}\right)^2$$
Ans: $\frac{49}{400}$
Difficulty Level: Difficult
Objective: Order of operations
Section: 2.5

88. Simplify using the order of operations. Write the answer as a fraction or whole number.

$$\left(\frac{35}{6} \div \frac{7}{3}\right)^2 \cdot 8$$
A) $\frac{60}{7}$ B) 20 C) $\frac{32}{25}$ D) 50
Ans: D
Difficulty Level: Difficult
Objective: Order of operations
Section: 2.5

89. A developer sells residential home sites in $\frac{3}{4}$ -acre lots. If the developer has 360 acres,

how many lots can be sold? A) 240 acres B) 270 acres C) 480 acres D) 540 acres Ans: C Difficulty Level: Moderate Objective: Applications of multiplication and division of fractions Section: 2.5

90. A television station allows 21 minutes of advertising each hour. How many 36-second

 $\left(\frac{3}{5}\text{-minute}\right)$ commercials can be run in 1 day? A) 35 B) 840 C) 756 D) 120 Ans: B Difficulty Level: Difficult Objective: Applications of multiplication and division of fractions Section: 2.5

91. Joseph must read 28 pages for his literature class and 16 pages for history. If he has read

 $\frac{1}{4}$ of the pages,

Ans:

a. How many pages has he read?

b. How many pages does he still have to read?

Ans: a. Joseph has read 11 pages.

b. Joseph still must read 33 pages.

Difficulty Level: Difficult

Objective: Applications of multiplication and division of fractions Section: 2.5

92. Multiply. Write the answer as a mixed number or a whole number.

$$\left(2\frac{1}{4}\right)\left(5\frac{1}{4}\right)$$
$$11\frac{13}{15}$$

16 Difficulty Level: Moderate Objective: Multiplication of mixed numbers Section: 2.6

93. Multiply. Write the answer as a mixed number or a whole number.

 $5\frac{1}{3} \cdot 1\frac{1}{4}$ A) $6\frac{2}{3}$ B) $5\frac{1}{12}$ C) $6\frac{1}{12}$ D) $5\frac{2}{3}$ Ans: A Difficulty Level: Moderate Objective: Multiplication of mixed numbers Section: 2.6

94. Multiply. Write the answer as a mixed number or a whole number.

 $4\frac{1}{6}\cdot\frac{3}{5}$ A) $4\frac{2}{5}$ B) $4\frac{1}{10}$ C) $2\frac{1}{5}$ D) $2\frac{1}{2}$ Ans: D
Difficulty Level: Moderate
Objective: Multiplication of mixed numbers
Section: 2.6

95. Multiply. Write the answer as a mixed number or a whole number.

$$\left(5\frac{2}{5}\right) \cdot 5$$

Ans: 27 Difficulty Level: Moderate Objective: Multiplication of mixed numbers Section: 2.6

96. Multiply. Write the answer as a mixed number or a whole number.

 $4\frac{1}{2} \cdot 0$ A) 4 B) $\frac{1}{2}$ C) 0 D) Cannot be multiplied. Ans: C

Difficulty Level: Moderate Objective: Multiplication of mixed numbers Section: 2.6 97. Multiply. Write the answer as a mixed number or a whole number.

 $\left(4\frac{2}{5}\right)\left(\frac{25}{44}\right)\left(1\frac{1}{20}\right)$ A) $4\frac{3}{8}$ B) $2\frac{5}{8}$ C) $4\frac{1}{88}$ D) $5\frac{5}{88}$ Ans: B Difficulty Level: Difficult Objective: Multiplication of mixed numbers Section: 2.6

98. Divide. Write the answer as a mixed number, proper fraction, or whole number.

 $1\frac{3}{10} \div 3\frac{2}{5}$ A) $\frac{13}{17}$ B) $3\frac{1}{3}$ C) $\frac{13}{34}$ D) $7\frac{3}{20}$ Ans: C
Difficulty Level: Moderate
Objective: Division of mixed numbers
Section: 2.6

99. Divide. Write the answer as a mixed number, proper fraction, or whole number.

$$24\frac{16}{25} \div 5\frac{3}{5}$$
Ans: $4\frac{2}{5}$
Difficulty Level: Moderate
Objective: Division of mixed numbers
Section: 2.6

100. Divide. Write the answer as a mixed number, proper fraction, or whole number.

 $15\frac{3}{5} \div 2\frac{3}{5}$ Ans: 6 Difficulty Level: Moderate Objective: Division of mixed numbers Section: 2.6 101. Divide. Write the answer as a mixed number, proper fraction, or whole number.

 $0 \div 2\frac{1}{2}$ A) 0 B) 2 C) $2\frac{1}{2}$ D) Cannot be divided. Ans: A Difficulty Level: Moderate Objective: Division of mixed numbers Section: 2.6

102. Divide. Write the answer as a mixed number, proper fraction, or whole number.

$$3\frac{4}{5} \div \frac{1}{5}$$

A) 7 B) 19 C) $3\frac{1}{4}$ D) $3\frac{4}{25}$

Ans: B Difficulty Level: Moderate Objective: Division of mixed numbers Section: 2.6

103. Divide. Write the answer as a mixed number, proper fraction, or whole number.

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

A) 4 B) $4\frac{1}{9}$ C) 5 D) $1\frac{4}{9}$
Ans: D
Difficulty Level: Moderate

Objective: Division of mixed numbers Section: 2.6

104. Divide. Write the answer as a mixed number, proper fraction, or whole number.

$$8\frac{1}{6} \div 1\frac{1}{3} \div 5\frac{1}{4}$$
A) $40\frac{1}{72}$ B) $2\frac{2}{27}$ C) $1\frac{1}{6}$ D) $32\frac{5}{32}$
Ans: C
Difficulty Level: Difficult
Objective: Division of mixed numbers
Section: 2.6

Chapter 2

105. Laura's parents pay her \$5 an hour to babysit her little brother. If Laura babysits for $3\frac{1}{5}$

hours, how much will her parents pay her? Ans: Her parents will pay her \$16. Difficulty Level: Difficult Objective: Applications of multiplication and division of mixed numbers Section: 2.6

106. Edward's estate is to be split equally among his three heirs. If his estate is worth $\$2\frac{3}{5}$ million, how much will each heir inherit?

A)Each heir will inherit $\$\frac{14}{15}$ million.C)Each heir will inherit $\$\frac{11}{15}$ million.B)Each heir will inherit $\$\frac{13}{15}$ million.D)Each heir will inherit $\$\frac{8}{15}$ million.

Ans: B

Difficulty Level: Difficult

Objective: Applications of multiplication and division of mixed numbers Section: 2.6