Test Bank for Developmental Mathematics 3rd Edition by Martin Gay ISBN 0321936876 9780321936875

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MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.

Identify the numerator and the denominator of the fraction.

1) $\dfrac{6}{5}$

    A) Numerator 6   B) Numerator $\dfrac{5}{6}$ C) Numerator 5   D) Numerator 11

        Denominator 5   Denominator 6   Denominator 6   Denominator 1

    Answer: A

Simplify.

2) $\dfrac{37}{37}$

    A) $\dfrac{1}{37}$ B) 0   C) 1   D) 37

    Answer: C

3) $\dfrac{48}{1}$

    A) 48   B) $\dfrac{-}{48}$ C) 47   D) 1

    Answer: A

4) $\dfrac{11}{0}$

    A) 11   B) 0   C) $\dfrac{1}{11}$ D) undefined

    Answer: D

5) $\dfrac{0}{9}$

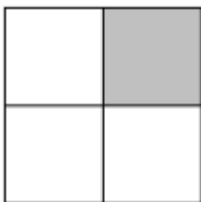   A) $\dfrac{1}{9}$ B) 9   C) undefined   D) 0

    Answer: D

Write a fraction to represent the shaded part of the figure.

6)

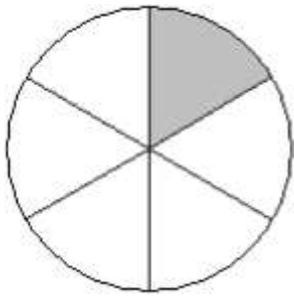   A) $\dfrac{1}{3}$ B) $\dfrac{1}{4}$ C) $\dfrac{3}{1}$ D) $\dfrac{3}{4}$

    Answer: B

7)

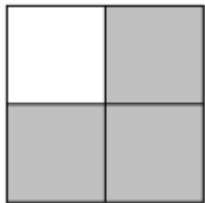A) $\frac{1}{5}$ B) $\frac{5}{1}$ C) $\frac{5}{6}$ D) $\frac{1}{6}$

Answer: D

8)

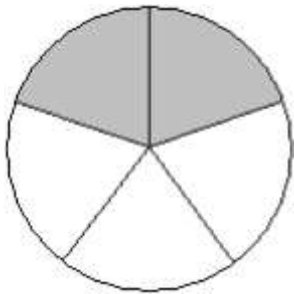A) $\frac{1}{3}$ B) $\frac{3}{4}$ C) $\frac{1}{4}$ D) $\frac{3}{1}$

Answer: B

9)

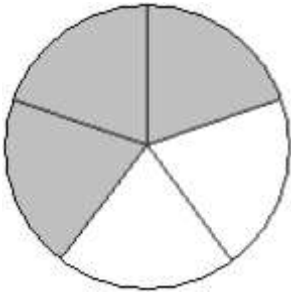A) $\frac{3}{2}$ B) $\frac{2}{3}$ C) $\frac{2}{5}$ D) $\frac{5}{2}$

Answer: C

10)

A) $\frac{2}{5}$ B) $\frac{3}{2}$ C) $\frac{3}{5}$ D) $\frac{2}{3}$

Answer: C

11)

A) $\frac{1}{5}$ B) $\frac{5}{1}$ C) $\frac{1}{6}$ D) $\frac{5}{6}$

Answer: D

12)

A) $\frac{5}{3}$ B) $\frac{5}{8}$ C) $\frac{3}{8}$ D) $\frac{3}{5}$

Answer: C

13)

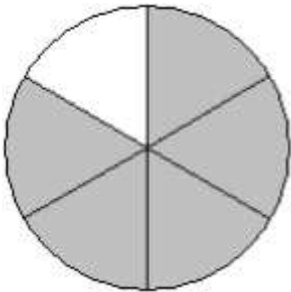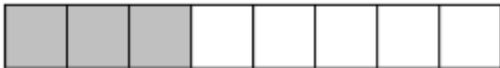A) $\frac{5}{8}$ B) $\frac{5}{3}$ C) $\frac{3}{8}$ D) $\frac{3}{5}$
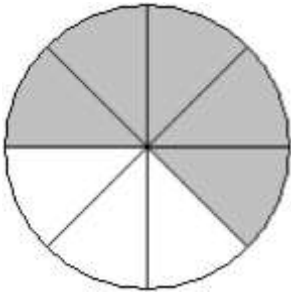
Answer: A

14)

A) $\frac{3}{5}$
B) $\frac{5}{3}$
C) $\frac{3}{8}$
D) $\frac{5}{8}$

Answer: D

15)
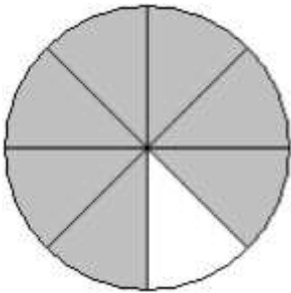
A) $\frac{7}{1}$
B) $\frac{7}{8}$
C) $\frac{1}{8}$
D) $\frac{1}{7}$

Answer: B

16)

D) $\frac{5}{4}$

A) $\frac{5}{9}$
B) $\frac{4}{5}$
C) $\frac{4}{9}$

Answer: C

17)
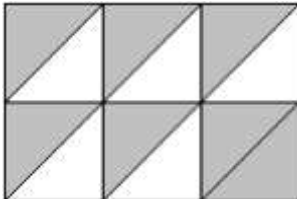
A) $\frac{5}{12}$
B) $\frac{7}{5}$
C) $\frac{5}{7}$
D) $\frac{7}{12}$

Answer: D

18)
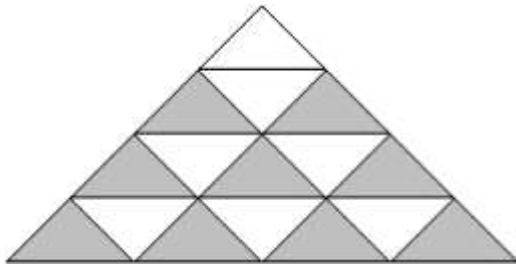
A) $\frac{7}{9}$　　　　　　B) $\frac{7}{16}$　　　　　　C) $\frac{9}{16}$　　　　　　D) $\frac{9}{7}$

Answer: C

Draw and shade a part of a diagram to represent the figure.

19) $\frac{4}{7}$ of a diagram

A)

B)

C)

D)

Answer: D

20) $\frac{3}{8}$ of a diagram

A)

B)
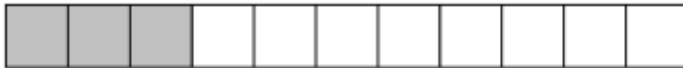
C)

D)

Answer: D

21) $\frac{5}{8}$ of a diagram

A)

B)

C)

D)

Answer: C

22) $\frac{4}{9}$ of a diagram

A)

B)

C)

D)

Answer: B

23) $\frac{7}{9}$ of a diagram

A)

B)

C)

D)

Answer: C

24) $\frac{7}{10}$ of a diagram

A)

B)

C)

D)

Answer: C

25) $\frac{3}{10}$ of a diagram

A)

B)

C)

D)

Answer: A

26) $\frac{4}{11}$ of a diagram

A)

B)
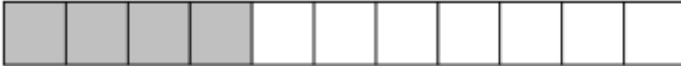
C)

D)
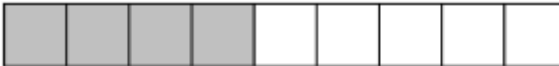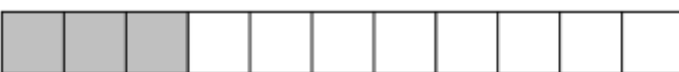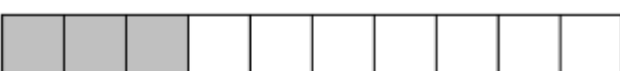
Answer: B

27) $\frac{6}{11}$ of a diagram

A)

B)

C)

D)

Answer: D

28) $\frac{8}{11}$ of a diagram

A)

B)

C)

D)

Answer: A

Write the fraction.

29) Of the 192 students at a private school, 33 are juniors. What fraction of the students are juniors?

A) $\frac{159}{33}$ 　　　　 B) $\frac{33}{159}$ 　　　　 C) $\frac{192}{33}$ 　　　　 D) $\frac{33}{192}$

Answer: D

30) Of the 269 students at a private school, 37 are juniors. What fraction of the students are NOT juniors?

A) $\frac{269}{232}$ 　　　　 B) $\frac{232}{37}$ 　　　　 C) $\frac{37}{269}$ 　　　　 D) $\frac{232}{269}$

Answer: D

31) Of the 107 doctors at a hospital, 58 are women. What fraction of the doctors are women?

A) $\frac{49}{58}$ 　　　　 B) $\frac{58}{107}$ 　　　　 C) $\frac{58}{49}$ 　　　　 D) $\frac{107}{58}$

Answer: B

8

32) Of the 92 doctors at a hospital, 88 are men. What fraction of the doctors are NOT men?

A) $\frac{4}{88}$ B) $\frac{92}{4}$ C) $\frac{88}{4}$ D) $\frac{4}{92}$

Answer: D

33) According to a recent study, 3 out of 16 visits to a hospital emergency room were for an injury. What fraction of emergency room visits are NOT injury-related?

A) $\frac{3}{13}$ B) $\frac{16}{13}$ C) $\frac{13}{16}$ D) $\frac{13}{3}$

Answer: C

34) There are 100 centimeters in a meter. What fractional part of a meter does 33 centimeters represent?

A) $\frac{33}{100}$ B) $\frac{33}{67}$ C) $\frac{67}{33}$ D) $\frac{100}{33}$

Answer: A

35) In a speech class containing 79 students, there are 16 freshmen, 8 sophomores, 9 juniors, and the rest are seniors. What fraction of the class is seniors?

A) $\frac{46}{103}$ B) $\frac{46}{79}$ C) $\frac{79}{46}$ D) $\frac{1}{4}$

Answer: B

36) At Smith's Apple Orchard one day, 52 people were picking apples, 17 people were picking pumpkins, and 31 people were picking raspberries. What fractional part of the people were picking pumpkins?

A) $\frac{52}{100}$ B) $\frac{100}{17}$ C) $\frac{17}{83}$ D) $\frac{17}{100}$

Answer: D

37) At Smith's Apple Orchard one day, 59 people were picking apples, 31 people were picking pumpkins, and 10 people were picking raspberries. What fractional part of the people were picking either apples or pumpkins?

A) $\frac{59}{100}$ B) $\frac{31}{100}$ C) $\frac{90}{10}$ D) $\frac{90}{100}$

Answer: D

Write the shaded area in the figure as a mixed number and as an improper fraction.

38)
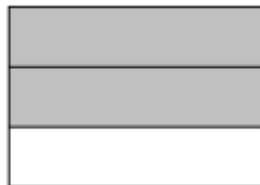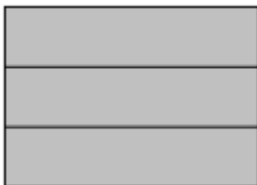
A) $5\frac{1}{3}$; $\frac{5}{3}$ B) $1\frac{2}{3}$; $\frac{5}{3}$ C) $2\frac{2}{3}$; $\frac{5}{3}$ D) $1\frac{5}{6}$; $\frac{5}{3}$

Answer: B

39)
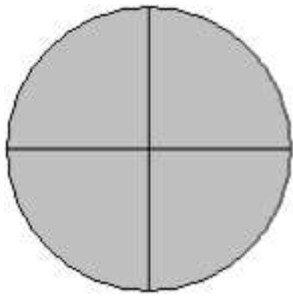
A) $1\dfrac{3}{4}$; $\dfrac{5}{4}$
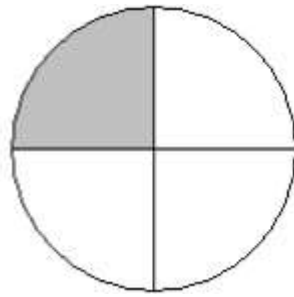
B) $1\dfrac{5}{8}$; $\dfrac{5}{4}$

C) $2\dfrac{1}{4}$; $\dfrac{5}{4}$

D) $1\dfrac{1}{4}$; $\dfrac{5}{4}$

Answer: D

40)
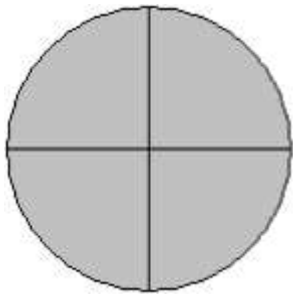
A) $4\dfrac{3}{4}$; $\dfrac{7}{4}$
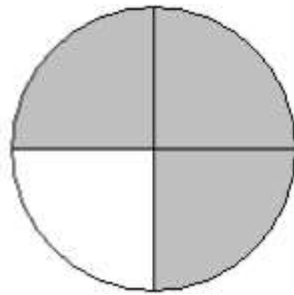
B) $1\dfrac{7}{8}$; $\dfrac{7}{4}$

C) $2\dfrac{3}{4}$; $\dfrac{7}{4}$

D) $1\dfrac{3}{4}$; $\dfrac{7}{4}$

Answer: D

41)
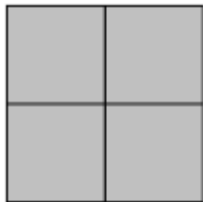
A) $2\dfrac{7}{8}$; $\dfrac{7}{4}$
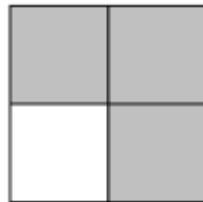
B) $4\dfrac{3}{4}$; $\dfrac{7}{4}$

C) $1\dfrac{7}{8}$; $\dfrac{7}{4}$

D) $1\dfrac{3}{4}$; $\dfrac{7}{4}$

Answer: D

42)
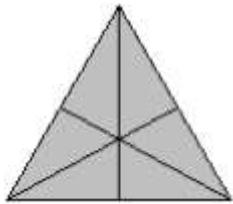
A) $1\dfrac{1}{5}$; $\dfrac{7}{6}$
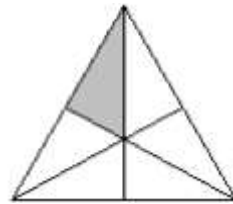
B) $1\dfrac{7}{12}$; $\dfrac{7}{6}$

C) $1\dfrac{1}{12}$; $\dfrac{7}{6}$

D) $1\dfrac{1}{6}$; $\dfrac{7}{6}$

10

Answer: D

43)

C) $1\frac{5}{6}$; $\frac{11}{6}$

D) $1\frac{11}{12}$; $\frac{11}{6}$

A) $2\frac{11}{12}$; $\frac{11}{6}$

B) $2\frac{5}{6}$; $\frac{11}{6}$

Answer: C

44)
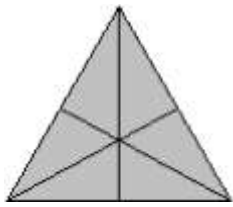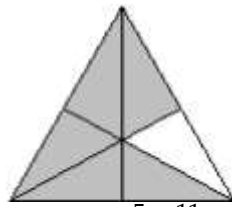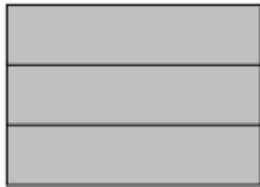
D) $2\frac{7}{9}$; $\frac{7}{3}$

A) $2\frac{1}{9}$; $\frac{7}{3}$
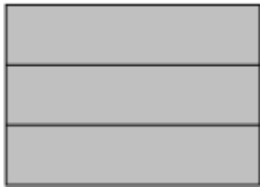
B) $2\frac{1}{3}$; $\frac{7}{3}$
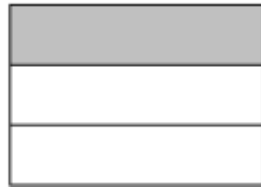
C) $3\frac{1}{3}$; $\frac{7}{3}$

Answer: B

45)
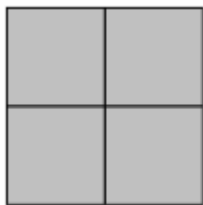
A) $4\frac{13}{16}$; $\frac{13}{4}$
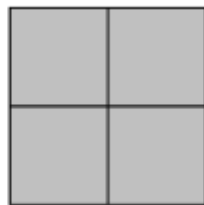
B) $4\frac{1}{4}$; $\frac{13}{4}$
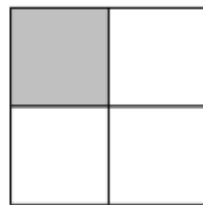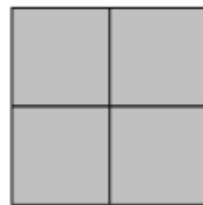
C) $3\frac{1}{4}$; $\frac{13}{4}$

D) $3\frac{13}{16}$; $\frac{13}{4}$

Answer: C

46)
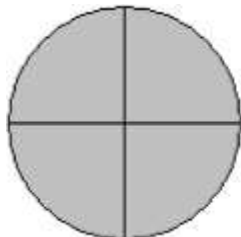
A) $3\frac{15}{16}$; $\frac{15}{4}$
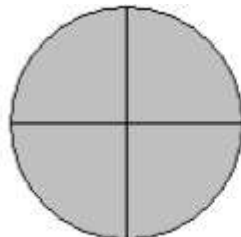
B) $3\frac{1}{4}$; $\frac{13}{4}$
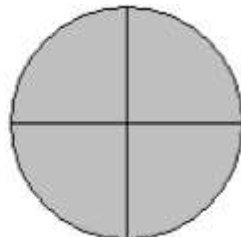
C) $3\frac{3}{4}$; $\frac{15}{4}$
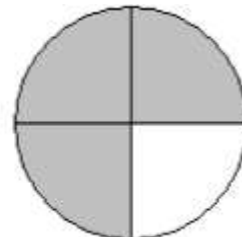
D) $4\frac{3}{4}$; $\frac{15}{4}$

Answer: C

Write the mixed number as an improper fraction.

47) $6\dfrac{7}{8}$

A) $\dfrac{55}{7}$ B) $\dfrac{48}{8}$ C) $\dfrac{48}{7}$ D) $\dfrac{55}{8}$

Answer: D

48) $5\dfrac{3}{5}$

A) $\dfrac{28}{5}$ B) $\dfrac{28}{3}$ C) $\dfrac{25}{3}$ D) $\dfrac{25}{5}$

Answer: A

49) $7\dfrac{4}{5}$

A) $\dfrac{35}{5}$ B) $\dfrac{35}{4}$ C) $\dfrac{39}{4}$ D) $\dfrac{39}{5}$

Answer: D

50) $5\dfrac{4}{5}$

A) $\dfrac{29}{5}$ B) $\dfrac{25}{4}$ C) $\dfrac{29}{4}$ D) $\dfrac{25}{5}$

Answer: A

51) $17\dfrac{21}{25}$

A) $\dfrac{446}{25}$ B) $\dfrac{357}{25}$ C) 357 D) 38

Answer: A

52) $205\dfrac{3}{7}$

A) $\dfrac{1438}{7}$ B) 208 C) 615 D) $\dfrac{615}{7}$

Answer: A

Write the improper fraction as a mixed or whole number.

53) $\dfrac{28}{3}$

A) $\dfrac{1}{3}$ B) $9\dfrac{1}{3}$ C) $10\dfrac{1}{3}$ D) $8\dfrac{1}{7}$

Answer: B

54) $\dfrac{39}{5}$

    A) $7\dfrac{4}{5}$ B) $7\dfrac{4}{7}$ C) $8\dfrac{4}{5}$ D) $6\dfrac{4}{5}$

    Answer: A

55) $\dfrac{49}{6}$

    A) $8\dfrac{1}{7}$ B) $8\dfrac{1}{6}$ C) $9\dfrac{1}{6}$ D) $7\dfrac{1}{6}$

    Answer: B

56) $\dfrac{56}{7}$

    A) 57   B) $\dfrac{8}{2}$ C) 8   D) 55

    Answer: C

57) $\dfrac{53}{11}$

    A) $\dfrac{11}{53}$ B) $53\dfrac{11}{53}$ C) $53\dfrac{53}{11}$ D) $4\dfrac{9}{11}$

    Answer: D

58) $\dfrac{152}{7}$

    A) $152\dfrac{152}{7}$ B) $152\dfrac{7}{152}$ C) $21\dfrac{5}{7}$ D) $\dfrac{7}{152}$

    Answer: C

59) $\dfrac{193}{187}$

    A) $187\dfrac{6}{187}$ B) $1\dfrac{187}{6}$ C) $1\dfrac{6}{193}$ D) $1\dfrac{6}{187}$

    Answer: D

60) $\dfrac{904}{111}$

    A) $7\dfrac{16}{111}$ B) $9\dfrac{16}{111}$ C) $8\dfrac{15}{111}$ D) $8\dfrac{16}{111}$

    Answer: D

List all the factors of the number.

    61) 30

    A) 1, 2, 3, 5, 6, 10, 15, 30   B) 1, 2, 3, 5, 6, 10, 20, 30

C) 1, 5, 6, 30   D) 5, 6, 10, 30

Answer: A

62) 28

    A) 2, 7, 14, 28   B) 1, 2, 4, 7, 14, 28   C) 1, 2, 4, 7, 8, 14, 28   D) 1, 2, 7, 14, 28

    Answer: B

63) 36

    A) 1, 2, 4, 6, 12, 18, 36   B) 2, 4, 6, 12, 18, 36

    C) 1, 2, 3, 4, 5, 6, 9, 10, 12, 18, 36   D) 1, 2, 3, 4, 6, 9, 12, 18, 36

    Answer: D

64) 45

    A) 1, 3, 5, 9, 15, 30, 45   B) 1, 2, 3, 5, 9, 15, 30, 45

    C) 1, 3, 5, 9, 15, 45   D) 1, 3, 5, 15, 45

    Answer: C

65) 56

    A) 1, 2, 4, 7, 8, 14, 28, 56   B) 1, 2, 4, 7, 8, 14, 18, 28, 56

    C) 1, 2, 3, 4, 7, 8, 14, 18, 28, 56   D) 2, 4, 7, 8, 14, 28

    Answer: A

66) 63

    A) 1, 3, 5, 7, 9, 11, 21, 63   B) 3, 5, 7, 9, 11, 21, 63

    C) 1, 3, 7, 9, 21, 63   D) 1, 2, 3, 7, 9, 21, 36, 63

    Answer: C

67) 66

    A) 1, 2, 3, 4, 11, 16, 22, 33, 66   B) 1, 3, 11, 22, 33, 66

    C) 1, 2, 3, 9, 11, 22, 33, 66   D) 1, 2, 3, 6, 11, 22, 33, 66

    Answer: D

68) 70

    A) 1, 2, 5, 7, 10, 14, 35, 70   B) 1, 3, 5, 7, 9, 15, 20, 35, 70

    C) 1, 2, 5, 7, 35, 70   D) 1, 2, 3, 5, 7, 9, 15, 35, 70

    Answer: A

69) 2

    A) 1   B) 1, 2   C) 2   D) no factors

    Answer: B

70) 15

    A) 3, 5, 15   B) 3, 5   C) 1, 3, 5, 15   D) 1, 15

    Answer: C

Identify the number as prime or composite.

71) 50

    A) Composite   B) Prime

    Answer: A

72) 53

    A) Prime   B) Composite

    Answer: A

73) 88
  A) Composite   B) Prime
  Answer: A

74) 163
  A) Prime   B) Composite
  Answer: A

75) 189
  A) Composite   B) Prime
  Answer: A

Find the prime factorization of the number. Write any repeated factors using exponents.

76) 385
  A) $35 \cdot 11$ B) $5^2 \cdot 11$ C) $7^2 \cdot 5$ D) $5 \cdot 7 \cdot 11$
  Answer: D

77) 445
  A) $5 \cdot 89$ B) 5^2 C) $5 \cdot 87$ D) $5^2 \cdot 89$
  Answer: A

78) 64
  A) 2^6 B) $2 \cdot 6$ C) 6^2 D) Prime
  Answer: A

79) 45
  A) $9 \cdot 5$ B) 5^2 C) $9 \cdot 3$ D) $3^2 \cdot 5$
  Answer: D

80) 275
  A) $5^2 \cdot 11$ B) $5 \cdot 11^2$ C) $5^3 \cdot 11$ D) $5 \cdot 11$
  Answer: A

81) 168
  A) $2 \cdot 3^3 \cdot 7$ B) $2^3 \cdot 3 \cdot 7$ C) $2 \cdot 3 \cdot 7$ D) $2^2 \cdot 3 \cdot 7$
  Answer: B

82) 90
  A) $2 \cdot 3^2 \cdot 5$ B) $10 \cdot 3^2$ C) $2^2 \cdot 3^2 \cdot 5$ D) $2 \cdot 3 \cdot 5$
  Answer: A

83) 36
  A) $2^2 \cdot 3$ B) $2^2 \cdot 3^2$ C) $2 \cdot 3^2$ D) $2^2 \cdot 3^3$
  Answer: B

84) 684
  A) $2^4 \cdot 19$ B) $2^2 \cdot 3^2 \cdot 19$ C) $2^3 \cdot 3^2 \cdot 19$ D) $3^4 \cdot 19$
  Answer: B

85) 2600

    A) $2 \cdot 5^4 \cdot 13$ B) $2^3 \cdot 5^3 \cdot 13$ C) $2^3 \cdot 5^2 \cdot 13$ D) $2^4 \cdot 5 \cdot 13$

    Answer: C

86) 795

    A) $5^2 \cdot 53$ B) $3^2 \cdot 53$ C) $15 \cdot 53$ D) $3 \cdot 5 \cdot 53$

    Answer: D

87) 133

    A) $7 \cdot 19$ B) $7^2 \cdot 19$ C) $18 \cdot 9$ D) $8 \cdot 21$

    Answer: A

88) 24,975

    A) $3^2 \cdot 5^3 \cdot 37$ B) $3^3 \cdot 5^2 \cdot 37$ C) $3^4 \cdot 37$ D) $5^4 \cdot 37$

    Answer: B

Write the fraction in simplest form.

89) $\dfrac{48}{54}$

    A) $\dfrac{8}{6}$ B) $\dfrac{8}{9}$ C) $\dfrac{6}{9}$ D) $\dfrac{48}{54}$

    Answer: B

90) $\dfrac{55}{77}$

    A) $\dfrac{11}{7}$ B) $\dfrac{5}{7}$ C) $\dfrac{55}{77}$ D) $\dfrac{5}{11}$

    Answer: B

91) $\dfrac{28}{47}$

    A) $\dfrac{14}{23}$ B) $\dfrac{1}{47}$ C) $\dfrac{28}{47}$ D) $\dfrac{23}{14}$

    Answer: C

92) $\dfrac{30}{80}$

    A) $\dfrac{3}{8}$ B) $\dfrac{3}{10}$ C) $\dfrac{30}{80}$ D) $\dfrac{10}{8}$

    Answer: A

93) $\dfrac{140}{180}$

    A) $\dfrac{140}{180}$ B) $\dfrac{7}{9}$ C) $\dfrac{7}{20}$ D) $\dfrac{20}{9}$

    Answer: B

94) $\dfrac{51}{57}$

    A) $\dfrac{3}{19}$ B) $\dfrac{51}{57}$ C) $\dfrac{17}{3}$ D) $\dfrac{17}{19}$

    Answer: D

95) $\dfrac{198}{234}$

    A) $\dfrac{11}{13}$ B) $\dfrac{18}{13}$ C) $\dfrac{11}{18}$ D) $\dfrac{198}{234}$

    Answer: A

96) $\dfrac{520}{600}$

    A) $\dfrac{15}{13}$ B) $\dfrac{600}{520}$ C) $\dfrac{520}{600}$ D) $\dfrac{13}{15}$

    Answer: D

97) $\dfrac{189}{36}$

    A) $\dfrac{4}{9}$ B) $\dfrac{21}{4}$ C) $\dfrac{21}{9}$ D) $\dfrac{9}{4}$

    Answer: B

98) $\dfrac{240}{30}$

    A) $\dfrac{8}{5}$ B) 8   C) $\dfrac{40}{5}$ D) $\dfrac{48}{6}$

    Answer: B

99) $\dfrac{286}{33}$

    A) $\dfrac{26}{3}$ B) $\dfrac{26}{11}$ C) 26   D) $\dfrac{11}{3}$

    Answer: A

100) $\dfrac{492}{2706}$

    A) $\dfrac{3}{11}$ B) $\dfrac{2}{11}$ C) $\dfrac{123}{451}$ D) $\dfrac{82}{451}$

    Answer: B

Determine whether the pair of fractions is equivalent.

101) $\dfrac{3}{9}$ and $\dfrac{21}{63}$

    A) not equivalent   B) equivalent

    Answer: B

102) $\frac{1}{7}$ and $\frac{9}{119}$

 A) equivalent   B) not equivalent

 Answer: B

103) $\frac{1}{4}$ and $\frac{9}{12}$

 A) equivalent   B) not equivalent

 Answer: B

104) $\frac{3}{8}$ and $\frac{39}{104}$

 A) not equivalent   B) equivalent

 Answer: B

105) $\frac{9}{21}$ and $\frac{6}{14}$

 A) not equivalent   B) equivalent

 Answer: B

106) $\frac{35}{60}$ and $\frac{42}{84}$

 A) not equivalent   B) equivalent

 Answer: A

Solve. Write the fractions in simplest form.

107) There are 5280 feet in a mile. What fraction of a mile is represented by 720 feet?

 A) $\frac{720}{5280}$ B) $\frac{3}{19}$ C) $\frac{3}{22}$ D) $\frac{1}{44}$

 Answer: C

108) There are 100 centimeters in 1 meter. What fraction of a meter is 65 centimeters?

 A) $\frac{13}{20}$ B) $\frac{1}{10}$ C) $\frac{13}{7}$ D) $\frac{65}{100}$

 Answer: A

109) A company employs 144,000 employees worldwide. About 36,000 employees work in the United States. What fraction of the employees work in the United States?

 A) $\frac{36,000}{144,000}$ B) $\frac{1}{4}$ C) $\frac{1}{40}$ D) $\frac{5}{2}$

 Answer: B

110) A company employs 675,000 employees worldwide. About 49,500 employees work in the United States. What fraction of the employees do NOT work in the United States?

 A) $\frac{49,500}{675,000}$ B) $\frac{625,500}{675,000}$ C) $\frac{11}{150}$ D) $\frac{139}{150}$

 Answer: D

111) There are 1200 employees at a company. If 900 are males, what fraction of the employees are males?

A) $\frac{900}{males}$ B) $\frac{3}{4}$ C) $\frac{1}{3}$ D) $\frac{1}{4}$

Answer: B

112) There are 8000 runners at a marathon. If 6400 are male, what fraction of the runners are female ?

A) $\frac{6400}{8000}$ B) $\frac{1}{5}$ C) $\frac{4}{5}$ D) $\frac{2}{8}$

Answer: B

113) A real estate agent categorized 100 available homes by housing style.

Distribution of Houses by Style

Housing Style	Number of Homes
Two Story	38
One and One-Half Story	12
Raised Ranch	6
Split Level	25
Ranch	19

What fraction of available homes are split-level homes?

A) $\frac{1}{3}$ B) $\frac{25}{75}$ C) $\frac{1}{4}$ D) $\frac{25}{100}$

Answer: C

114) The following graph is called a circle graph or pie chart. Each sector (shaped like a piece of pie) shows the number of each color of marbles that Jay has: 270 are red, 252 are blue, 135 are yellow, 198 are green, and 45 are clear. What fraction of the marbles are red? Write the fraction in simplest form.

270 red

252 blue

45 clear

198 green

135 yellow
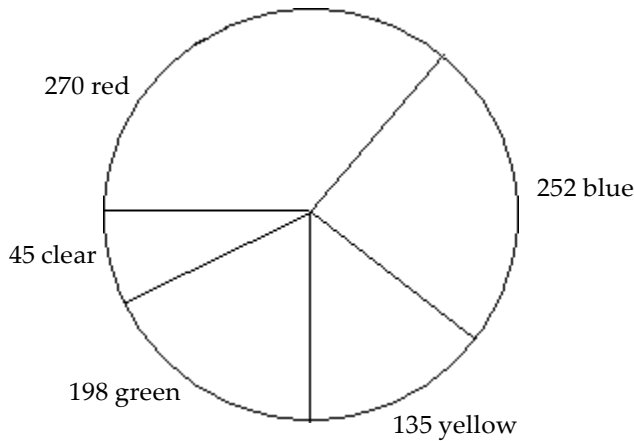
A) $\frac{3}{7}$ B) $\frac{3}{10}$ C) $\frac{270}{900}$ D) $\frac{1}{5}$

Answer: B

Multiply. Write the answer in simplest form.

115) $\frac{2}{5} \cdot \frac{8}{9}$

    A) $\frac{16}{45}$ B) $\frac{5}{7}$ C) $\frac{45}{16}$ D) $\frac{20}{9}$

Answer: A

116) $\frac{7}{10} \cdot \frac{17}{11}$

    A) $\frac{77}{170}$ B) $\frac{2}{3}$ C) $\frac{8}{7}$ D) $\frac{119}{110}$

Answer: D

117) $\frac{1}{7} \cdot \frac{15}{20}$

    A) $\frac{3}{28}$ B) $\frac{16}{27}$ C) $\frac{4}{21}$ D) $\frac{21}{22}$

Answer: A

118) $\frac{1}{3} \cdot \frac{4}{5} \cdot \frac{2}{5}$

    A) $\frac{8}{13}$ B) $\frac{1}{6}$ C) $\frac{8}{75}$ D) $\frac{4}{75}$

Answer: C

119) $\frac{3}{9} \cdot \frac{3}{7}$

    A) $\frac{1}{7}$ B) $\frac{3}{8}$ C) $\frac{5}{6}$ D) $\frac{7}{9}$

Answer: A

120) $\frac{5}{1} \cdot \frac{18}{11}$

    A) $\frac{90}{11}$ B) $\frac{55}{18}$ C) $\frac{16}{19}$ D) $\frac{23}{12}$

Answer: A

121) $0 \cdot \frac{2}{3}$

    A) undefined   B) 0   C) $\frac{2}{3}$ D) $\frac{3}{2}$

Answer: B

122) $\frac{10}{11} \cdot 0$

    A) $\frac{10}{11}$ B) $\frac{11}{10}$ C) 0 D) undefined

Answer: C

123) $\frac{17}{18} \cdot \frac{1}{18} \cdot \frac{1}{2}$

    A) $\frac{17}{324}$ B) $\frac{17}{648}$ C) $\frac{648}{17}$ D) $\frac{11}{144}$

Answer: B

124) $\frac{4}{7} \cdot 0 \cdot \frac{1}{5}$

    A) $\frac{9}{19}$ B) $\frac{4}{35}$ C) 0 D) undefined

Answer: C

125) $\frac{1}{2} \cdot \frac{3}{7} \cdot \frac{6}{14} \cdot \frac{28}{2}$

    A) $\frac{9}{7}$ B) $\frac{38}{25}$ C) $\frac{3}{14}$ D) $\frac{7}{9}$

Answer: A

126) $4\frac{1}{5} \cdot 5$

    A) $9\frac{1}{5}$ B) 100 C) 21 D) 20

Answer: C

127) $4 \cdot 6\frac{7}{18}$

    A) $24\frac{7}{18}$ B) $25\frac{5}{9}$ C) $25\frac{7}{9}$ D) $10\frac{5}{9}$

Answer: B

128) $1\frac{1}{5} \cdot \frac{4}{9}$

    A) $1\frac{4}{45}$ B) $\frac{8}{15}$ C) $1\frac{8}{15}$ D) $\frac{6}{15}$

Answer: B

129) $1\frac{7}{8} \cdot 6\frac{2}{5}$

A) 11   B) 6   C) 4   D) 12

Answer: D

130) $3 \cdot 4\frac{8}{15}$

   A) $12\frac{8}{15}$ B) 12   C) $12\frac{3}{5}$ D) $13\frac{3}{5}$

   Answer: D

131) $1\frac{1}{5} \cdot 5 \cdot \frac{3}{7}$

   A) $2\frac{4}{7}$ B) $6\frac{4}{7}$ C) $5\frac{7}{15}$ D) $5\frac{4}{7}$

   Answer: A

132) $6 \cdot 9\frac{9}{16}$

   A) $57\frac{5}{8}$ B) $57\frac{3}{8}$ C) $15\frac{3}{8}$ D) $54\frac{9}{16}$

   Answer: B

133) $1\frac{4}{5} \cdot \frac{4}{9}$

   A) $1\frac{16}{45}$ B) $4\frac{4}{5}$ C) $\frac{4}{5}$ D) $\frac{2}{5}$

   Answer: C

134) $45 \cdot \frac{5}{9}$

   A) $\frac{203}{27}$ B) $\frac{225}{9}$ C) 25   D) 20

   Answer: C

135) $\frac{2}{3} \cdot 7$

   A) $\frac{23}{3}$ B) $\frac{11}{6}$ C) $\frac{2}{21}$ D) $\frac{14}{3}$

   Answer: D

136) $\frac{7}{13} \cdot 1$

   A) $\frac{7}{13}$ B) $\frac{4}{7}$ C) 1   D) $\frac{13}{7}$

   Answer: A

137) $1 \cdot \frac{4}{5}$

A) $\frac{5}{4}$ B) 1   C) $\frac{4}{5}$ D) $\frac{5}{6}$

Answer: C

138) $\dfrac{13}{20} \cdot 80 \cdot \dfrac{100}{40}$

    A) $\dfrac{1}{130}$ B) 130   C) 80   D) $\dfrac{13}{8}$

    Answer: B

139) $3\dfrac{2}{3} \cdot 5\dfrac{6}{7} \cdot 1\dfrac{1}{2}$

    A) $15\dfrac{5}{42}$ B) $9\dfrac{5}{42}$ C) $\dfrac{451}{14}$ D) $15\dfrac{2}{7}$

    Answer: C

Multiply. Write the answer in simplest form. Find both an exact product and an estimated product.

140) $3\dfrac{1}{7} \cdot 2\dfrac{1}{5}$

    A) Exact: $\dfrac{36}{7}$ B) Exact: $\dfrac{242}{35}$ C) Exact: $\dfrac{36}{7}$ D) Exact: $\dfrac{242}{35}$

        Estimate: 6   Estimate: 12   Estimate: 12   Estimate: 6

    Answer: D

141) $3\dfrac{3}{4} \cdot 2\dfrac{2}{3}$

    A) Exact: $\dfrac{91}{12}$ B) Exact: Exact: $\dfrac{91}{12}$ C) Exact: 10   D) Exact: 10

        Estimate: 12   Estimate: 6   Estimate: 12   Estimate: 6

    Answer: C

Solve. Write the answer in simplest form.

142) Find the area of the rectangle. Write the answer in simplest form. Recall that the area = (length) · (width).
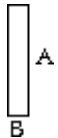
    $A = \dfrac{4}{5}$ foot

    $B = \dfrac{1}{2}$ foot

    A) $\dfrac{4}{7}$ square foot   B) $\dfrac{5}{7}$ square foot   C) $\dfrac{2}{5}$ square foot   D) $\dfrac{4}{10}$ square foot

    Answer: C

143) Find the area of the rectangle. Write the answer in simplest form. Recall that the area = (length) · (width).
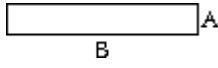
$A = \dfrac{3}{11}$ yard

B = 11 yards

A) $\dfrac{33}{11}$ square yards 　　　　B) $\dfrac{124}{11}$ square yards 　　　　C) 3 square yards 　　　　D) $\dfrac{14}{11}$ square yards

Answer: C

144) Raya is saving $\dfrac{3}{14}$ of her monthly income of $5754 for retirement. How much money is she setting aside each

month for retirement?
　　A) $26,852 　　　　　　B) $1233 　　　　　　C) $411 　　　　　　D) $137

Answer: B

145) Maria exercises for $1\dfrac{1}{7}$ hours every Saturday. She runs for $\dfrac{3}{8}$ of the time that she exercises. How much time

does she spend running every Saturday?
　　A) $\dfrac{1}{7}$ hour 　　　　　　B) $1\dfrac{3}{7}$ hours 　　　　　　C) $1\dfrac{3}{56}$ hours 　　　　　　D) $\dfrac{3}{7}$ hour

Answer: D

146) Byron rode his bicycle $6\dfrac{5}{18}$ miles on each of 8 days. What is the total distance Byron rode?

　　A) $50\dfrac{2}{9}$ miles 　　　　B) $14\dfrac{2}{9}$ miles 　　　　C) $50\dfrac{4}{9}$ miles 　　　　D) $48\dfrac{5}{18}$ miles

Answer: A

147) Jennifer is building some shelves and requires 7 pieces of wood that are each $1\dfrac{2}{7}$ feet long. What is the total

length of wood that Jennifer needs?
　　A) 7 feet 　　　　　　B) 9 feet 　　　　　　C) 49 feet 　　　　　　D) $8\dfrac{2}{7}$ feet

Answer: B

148) A rectangular flower bed in front of a building measures $5\dfrac{5}{8}$ feet by $3\dfrac{5}{9}$ feet. What is the total area of the flower

bed? Hint: The area of a rectangle is the product of the length times the width.
　　A) 20 square feet 　　　　B) $15\dfrac{25}{72}$ square feet 　　　　C) 21 square feet 　　　　D) 25 square feet

Answer: A

149) A recipe calls for $\frac{1}{4}$ of a pound of sausage. How much sausage should be used if only $\frac{1}{2}$ of the recipe is being made?

  A) $\frac{1}{6}$ lb
  B) $\frac{1}{2}$ lb
  C) $\frac{1}{3}$ lb
  D) $\frac{1}{8}$ lb

Answer: D

150) The circle graph below shows the fractional part of the Suarez family's budget spent in each category each month.
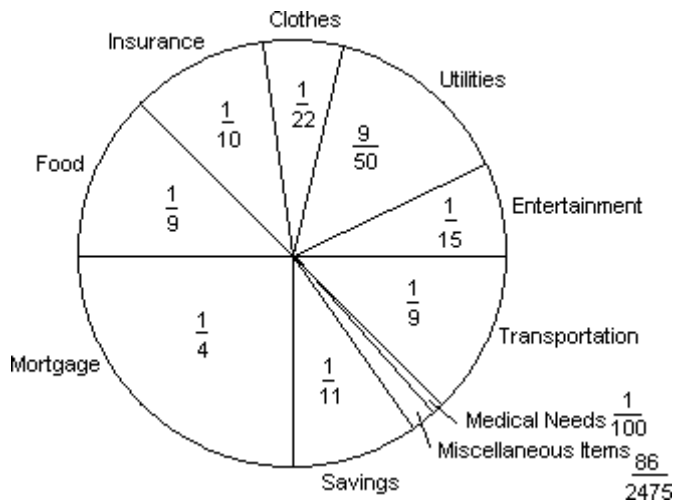
If the Suarez's income last month was $2500, how much money did they spend on their savings? Round to the nearest cent, if necessary.

  A) $227.27
  B) $625.00
  C) $113.63
  D) $250.00

Answer: A

151) Find $\frac{1}{17}$ of 68.

  A) $\frac{1}{1156}$
  B) 1156
  C) 17
  D) 4

Answer: D

152) Find $\frac{5}{7}$ of 42.

  A) 42
  B) 30
  C) $\frac{5}{294}$
  D) $\frac{294}{5}$

Answer: B

Find the reciprocal of the number.

153) $\frac{5}{7}$

  A) 7
  B) $\frac{7}{5}$
  C) $\frac{7}{1}$
  D) $\frac{1}{5}$

29

Answer: B

154) $\dfrac{1}{9}$

   A) $\dfrac{1}{9}$ B) 0   C) 1   D) 9

Answer: D

155) $\dfrac{1}{14}$

   A) 0   B) $\dfrac{1}{14}$ C) 1   D) 14

Answer: D

156) 8

   A) 1   B) $\dfrac{8}{1}$ C) 8   D) $\dfrac{1}{8}$

Answer: D

157) 17

   A) 17   B) $\dfrac{1}{17}$ C) 1   D) $\dfrac{17}{1}$

Answer: B

158) $\dfrac{3}{2}$

   A) $\dfrac{1}{3}$ B) $\dfrac{2}{3}$ C) 2   D) $\dfrac{2}{1}$

Answer: B

Divide. Write the answer in simplest form.

159) $\dfrac{6}{6} \div \dfrac{4}{5}$

   A) $\dfrac{10}{11}$ B) $\dfrac{4}{5}$ C) $\dfrac{11}{24}$ D) $1\dfrac{1}{4}$

Answer: D

160) $\dfrac{4}{19} \div \dfrac{3}{4}$

   A) $25\dfrac{1}{3}$ B) $\dfrac{16}{57}$ C) $\dfrac{7}{23}$ D) $\dfrac{3}{76}$

Answer: B

161) $\dfrac{7}{19} \div \dfrac{9}{20}$

A) $\dfrac{140}{171}$

B) $\dfrac{138}{171}$

C) $\dfrac{140}{169}$

D) $\dfrac{139}{171}$

Answer: A

162) $\dfrac{7}{19} \div \dfrac{9}{17}$

A) $\dfrac{119}{171}$ B) $\dfrac{119}{169}$ C) $\dfrac{118}{171}$ D) $\dfrac{13}{19}$

Answer: A

163) $\dfrac{6}{19} \div \dfrac{9}{19}$

A) $\dfrac{2}{1}$ B) $\dfrac{1}{3}$ C) $\dfrac{2}{3}$ D) $\dfrac{0}{3}$

Answer: C

164) $\dfrac{7}{20} \div \dfrac{7}{16}$

A) $\dfrac{4}{3}$ B) $\dfrac{4}{5}$ C) $\dfrac{3}{5}$ D) $\dfrac{2}{5}$

Answer: B

165) $\dfrac{9}{7} \div \dfrac{22}{4}$

A) $\dfrac{18}{77}$ B) $\dfrac{13}{29}$ C) $\dfrac{31}{11}$ D) $\dfrac{99}{14}$

Answer: A

166) $\dfrac{16}{5} \div \dfrac{4}{5}$

A) 5   B) 3   C) $\dfrac{5}{2}$ D) 4

Answer: D

Solve.

167) How many $\dfrac{13}{16}$ pound boxes of cereal can be made from 28,704 pound of cereal?

A) 2208 boxes   B) 23,322 boxes   C) 35,328 boxes   D) 1794 boxes

Answer: C

168) On a recent trip, Asha drove 206 miles on $12\dfrac{1}{6}$ gallons of gasoline. How many miles per gallon did she average?

A) $\dfrac{73}{1236}$ miles per gallon   B) $412\dfrac{1}{6}$ miles per gallon

C) $16\dfrac{68}{73}$ miles per gallon   D) $2506\dfrac{1}{3}$ miles per gallon

Answer: C

169) Mark is filling decorative oil lamps for a reception. Each lamp can hold $\frac{1}{7}$ cup of oil. Mark has $1\frac{3}{7}$ cups of oil available. How many oil lamps can Mark fill completely?

    A) 9 oil lamps   B) $8\frac{1}{2}$ oil lamps   C) 10 oil lamps   D) 11 oil lamps

Answer: C

170) Ted walks around a lake on a path that is $4\frac{5}{7}$ miles long. It takes him $2\frac{6}{7}$ hours to complete his walk. What is his average speed (in miles per hour)?

    A) $1\frac{13}{19}$ miles per hour   B) $2\frac{13}{20}$ miles per hour

    C) $1\frac{14}{20}$ miles per hour   D) $1\frac{13}{20}$ miles per hour

Answer: D

171) Toni needs to cut a $6\frac{4}{5}$ - foot board into 3 equal pieces. How long should each piece be?

    A) $2\frac{4}{5}$ ft   B) $2\frac{4}{15}$ ft   C) $20\frac{2}{5}$ ft   D) $6\frac{4}{15}$ ft

Answer: B

Divide. Write the answer in simplest form.

172) $0 \div \frac{3}{6}$

    A) 0   B) 2   C) $\frac{1}{2}$ D) Undefined

Answer: A

173) $\frac{2}{7} \div 0$

    A) Undefined   B) $\frac{2}{7}$ C) 0   D) $3\frac{1}{2}$

Answer: A

174) $\frac{1}{7} \div \frac{1}{7}$

    A) 7   B) $\frac{1}{49}$ C) $\frac{1}{7}$ D) 1

Answer: D

Perform the indicated operation. Write the answer in simplest form.

175) $\frac{77}{9} \cdot \frac{27}{121} \div \frac{7}{11}$

    A) $\frac{1}{3}$ B) $\frac{5929}{243}$ C) 3   D) $\frac{147}{121}$

Answer: C

Divide. Write the answer in simplest form.

176) $5\frac{7}{9} \div 5\frac{1}{6}$

    A) $1\frac{12}{93}$ B) $1\frac{11}{93}$ C) $2\frac{11}{93}$ D) $1\frac{11}{92}$

Answer: B

177) $4\frac{5}{9} \div 4\frac{1}{9}$

    A) $1\frac{4}{37}$ B) $1\frac{5}{37}$ C) $2\frac{4}{37}$ D) $1\frac{4}{36}$

Answer: A

178) $21 \div 4\frac{1}{5}$

    A) 6   B) $3\frac{1}{2}$ C) 5   D) 4

Answer: C

179) $2\frac{4}{5} \div 7$

    A) $\frac{1}{5}$ B) $\frac{2}{4}$ C) $\frac{3}{5}$ D) $\frac{2}{5}$

Answer: D

180) $5\frac{7}{9} \div 4\frac{1}{6}$

    A) $1\frac{29}{75}$ B) $1\frac{29}{74}$ C) $1\frac{30}{75}$ D) $2\frac{29}{75}$

Answer: A

181) $4\frac{2}{9} \div \frac{2}{9}$

    A) $17\frac{1}{2}$ B) 19   C) 18   D) 20

Answer: B

182) $\frac{6}{6} \div 7$

    A) $1\frac{6}{7}$ B) $\frac{1}{6}$ C) 7   D) $\frac{1}{7}$

Answer: D

183) $28 \div \dfrac{7}{5}$

    A) 21   B) 20   C) $\dfrac{37}{2}$ D) 19

    Answer: B

184) $1 \div \dfrac{6}{7}$

    A) $\dfrac{7}{8}$ B) $1\dfrac{1}{6}$ C) $\dfrac{6}{7}$ D) $1\dfrac{1}{3}$

    Answer: B

185) $0 \div 16\dfrac{3}{10}$

    A) $16\dfrac{3}{10}$ B) $\dfrac{3}{10}$ C) 0   D) undefined

    Answer: C

186) $\dfrac{8}{19} \div 1$

    A) $\dfrac{19}{8}$ B) $\dfrac{9}{20}$ C) 1   D) $\dfrac{8}{19}$

    Answer: D

Solve.

187) How many $\dfrac{7}{9}$ pound boxes of cereal can be made from 9009 pound of cereal?

    A) 7007 boxes   B) 11,583 boxes   C) 1287 boxes   D) 1001 boxes

    Answer: B

188) On a recent trip, Asha drove 258 miles on $8\dfrac{1}{9}$ gallons of gasoline. How many miles per gallon did she average?

    A) $31\dfrac{59}{73}$ miles per gallon   B) $2092\dfrac{2}{3}$ miles per gallon

    C) $\dfrac{73}{2322}$ miles per gallon   D) $229\dfrac{4}{9}$ miles per gallon

    Answer: A

189) Mark is filling decorative oil lamps for a reception. Each lamp can hold $\dfrac{2}{5}$ cup of oil. Mark has $1\dfrac{3}{5}$ cups of oil

    available. How many oil lamps can Mark fill completely?

    A) 3 oil lamps   B) $2\dfrac{1}{2}$ oil lamps   C) 5 oil lamps   D) 4 oil lamps

    Answer: D

190) Ted walks around a lake on a path that is $5\frac{2}{3}$ miles long. It takes him $3\frac{1}{9}$ hours to complete his walk. What is his average speed (in miles per hour)?

   A) $1\frac{24}{28}$ miles per hour

                                              B) $1\frac{23}{28}$ miles per hour

   C) $1\frac{23}{27}$ miles per hour

                                              D) $2\frac{23}{28}$ miles per hour

Answer: B

191) Toni needs to cut a $4\frac{1}{9}$ - foot board into 3 equal pieces. How long should each piece be?

   A) $1\frac{4}{9}$ ft   B) $1\frac{10}{27}$ ft   C) $4\frac{1}{27}$ ft   D) $12\frac{1}{3}$ ft

Answer: B

192) The area of the rectangle is 8 square feet. If its length is $5\frac{2}{7}$ feet, find its width.

$5\frac{2}{7}$ feet

   A) $5\frac{2}{7}$ feet   B) $1\frac{19}{37}$ ft   C) $21\frac{1}{7}$ ft   D) $42\frac{2}{7}$ ft

Answer: B

193) The perimeter of the square is $12\frac{2}{9}$ meters. Find the length of each side.

   A) $24\frac{4}{9}$ m   B) $6\frac{1}{9}$ m   C) $3\frac{1}{18}$ m   D) $48\frac{8}{9}$ m

Answer: C

Solve. Write the answer in simplest form.

194) Approximately $\frac{3}{14}$ of a worldwide corporation's employees live and work in the United States. If 6636 employees live and work in the United States, how many employees does the corporation have worldwide?

   A) 30,968 employees   B) 474 employees   C) 1422 employees   D) 2212 employees

Answer: A

Fill in the blank with one of the words or phrases listed below.

mixed number	equivalent	0	undefined
composite number	improper fraction	simplest form	prime factorization
prime number	proper fraction	numerator	denominator
reciprocals	cross products		

195) Two numbers are _____ of each other if their product is 1.
    A) undefined   B) composite number   C) reciprocals   D) mixed number

    Answer: C

196) A(n) _____ is a natural number greater than 1 that is not prime.
    A) numerator   B) composite number   C) mixed number   D) denominator

    Answer: B

197) Fractions that represent the same portion of a whole are called _____ fractions.
    A) prime number   B) simplest form   C) equivalent   D) undefined

    Answer: C

198) A(n) _____ is a fraction whose numerator is greater than or equal to its denominator.
    A) prime number   B) improper fraction   C) proper fraction   D) mixed number

    Answer: B

199) A(n) _____ is a natural number greater than 1 whose only factors are 1 and itself.
    A) numerator   B) mixed number   C) prime number   D) composite number

    Answer: C

200) A fraction is in _____ when the numerator and the denominator have no factors in common other than 1.
    A) equivalent   B) 0
    C) simplest form   D) prime factorization

    Answer: C

201) A(n) _____ is one whose numerator is less than its denominator.
    A) improper fraction   B) prime number   C) mixed number   D) proper fraction

    Answer: D

202) A(n) _____ contains a whole number part and a fraction part.
    A) mixed number   B) composite number
    C) prime factorization   D) prime number

    Answer: A

203) In the fraction $\frac{7}{9}$, the 7 is called the _____ and the 9 is called the _____.

    A) composite number, prime number   B) numerator, denominator
    C) denominator, numerator   D) numerator, prime number

    Answer: B

204) The _____ of a number is the factorization in which all the factors are prime numbers.

    A) simplest form   B) prime factorization

    C) reciprocals   D) 0

Answer: B

205) The fraction $\frac{3}{0}$ is _____.

    A) prime factorization   B) undefined

    C) proper fraction   D) 0

Answer: B

206) The fraction $\frac{0}{5}$ is _____.

    A) proper fraction   B) undefined

    C) 0   D) prime factorization

Answer: C

207) In $\frac{a}{b} = \frac{c}{d}$, a · d and b · c are called _____.

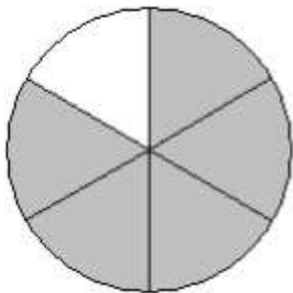   A) simplest form   B) cross products

    C) reciprocals   D) prime factorization

Answer: B

Write a fraction to represent the shaded area.

208)

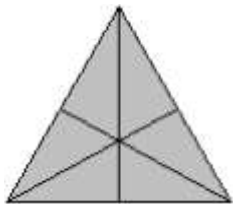   A) $\frac{1}{5}$ B) $\frac{1}{6}$ C) $\frac{5}{6}$ D) $\frac{5}{1}$
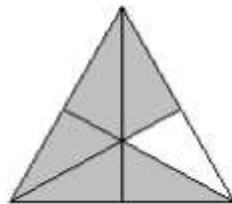
Answer: C

209)

    A) $2\frac{5}{6}$ or $\frac{11}{6}$ B) $1\frac{5}{6}$ or $\frac{11}{6}$ C) $1\frac{11}{12}$ or $\frac{11}{6}$ D) $2\frac{11}{12}$ or $\frac{11}{6}$

Answer: B

41

Write the mixed number as an improper fraction.

210) $6\frac{5}{7}$

A) $\frac{47}{7}$ B) $\frac{42}{5}$ C) $\frac{42}{7}$ D) $\frac{47}{5}$

Answer: A

211) $15\frac{9}{10}$

A) $\frac{27}{2}$ B) 33   C) 270   D) $\frac{159}{10}$

Answer: D

Write the improper fraction as a mixed or whole number.

212) $\frac{29}{5}$

A) $6\frac{4}{5}$ B) $5\frac{4}{7}$ C) $5\frac{4}{5}$ D) $4\frac{4}{5}$

Answer: C

213) $\frac{196}{7}$

A) 195   B) 197   C) $\frac{28}{2}$ D) 28

Answer: D

Write the fraction in simplest form.

214) $\frac{60}{80}$

A) $\frac{60}{80}$ B) $\frac{20}{4}$ C) $\frac{3}{20}$ D) $\frac{3}{4}$

Answer: D

215) $\frac{154}{187}$

A) $\frac{14}{11}$ B) $\frac{14}{17}$ C) $\frac{11}{17}$ D) $\frac{154}{187}$

Answer: B

Determine whether the pair of fractions is equivalent.

216) $\frac{5}{9}$ and $\frac{15}{27}$

A) equivalent   B) not equivalent

Answer: A

217) $\frac{5}{7}$ and $\frac{75}{140}$

    A) equivalent   B) not equivalent

    Answer: B

Find the prime factorization of the number.

218) 350

    A) $14 \cdot 5^2$ B) $2 \cdot 5^2 \cdot 7$ C) $2 \cdot 5 \cdot 7$ D) $2^2 \cdot 5^2 \cdot 7$

    Answer: B

219) 4725

    A) $3^4 \cdot 5 \cdot 7$ B) $3^3 \cdot 5^3 \cdot 7$ C) $3 \cdot 5^4 \cdot 7$ D) $3^3 \cdot 5^2 \cdot 7$

    Answer: D

Perform the indicated operation. Write the answer in simplest form.

220) $\frac{7}{8} \div \frac{2}{7}$

    A) $\frac{3}{5}$ B) $\frac{7}{8}$ C) $3\frac{1}{16}$ D) $\frac{1}{4}$

    Answer: C

221) $\frac{5}{10} \cdot \frac{14}{4}$

    A) $\frac{3}{8}$ B) $\frac{19}{14}$ C) $\frac{1}{7}$ D) $\frac{7}{4}$

    Answer: D

222) $\frac{3}{4} \cdot 5$

    A) $\frac{23}{4}$ B) $\frac{3}{20}$ C) $\frac{15}{4}$ D) $\frac{11}{8}$

    Answer: C

223) $\frac{7}{9} \cdot \frac{1}{6}$

    A) $\frac{3}{14}$ B) $\frac{54}{7}$ C) $\frac{7}{54}$ D) $\frac{8}{15}$

    Answer: C

224) $18 \div \frac{9}{2}$

    A) 5   B) 3   C) 4   D) $\frac{5}{2}$

    Answer: C

225) $2\frac{8}{9} \div 13$

    A) $\frac{2}{8}$ B) $\frac{3}{9}$ C) $\frac{1}{9}$ D) $\frac{2}{9}$

Answer: D

226) $\frac{1}{3} \cdot \frac{4}{7} \cdot \frac{3}{8}$

    A) $\frac{2}{7}$ B) $\frac{1}{18}$ C) $\frac{7}{32}$ D) $\frac{1}{14}$

Answer: D

227) $1\frac{1}{8} \div \frac{1}{8}$

    A) 8   B) 9   C) 10   D) $7\frac{1}{2}$

Answer: B

228) $\frac{17}{7} \div \frac{1}{7}$

    A) 16   B) 18   C) $\frac{31}{2}$ D) 17

Answer: D

229) $4\frac{4}{5} \cdot 2\frac{1}{2}$

    A) 6   B) 8   C) 11   D) 12

Answer: D

230) $39 \div 3\frac{1}{4}$

    A) $10\frac{1}{2}$ B) 12   C) 11   D) 13

Answer: B

231) $\frac{19}{5} \cdot \frac{20}{13} \cdot 3$

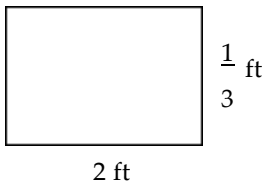   A) $\frac{228}{13}$ B) $\frac{42}{65}$ C) $\frac{76}{13}$ D) $\frac{76}{39}$

Answer: A

Solve. Write the answer in simplest form.

232) Find the area of each rectangle. Write the answer in simplest form. Recall that the area = (length) · (width).

$\frac{1}{3}$ ft

2 ft

A) $\frac{6}{33}$ square foot

B) $\frac{3}{7}$ square foot

C) $\frac{1}{2}$ square foot

D) $\frac{2}{11}$ square foot

Answer: D

233) On a recent trip, Asha drove 234 miles on $6\frac{1}{6}$ gallons of gasoline. How many miles per gallon did she average?

A) 1443 miles per gallon

B) $234\frac{1}{6}$ miles per gallon

C) $37\frac{35}{37}$ miles per gallon

D) $\frac{37}{1404}$ miles per gallon

Answer: C

234) A rectangular flower bed in front of a building measures $13\frac{1}{3}$ feet by $3\frac{3}{5}$ feet. What is the total area of the flower bed?

A) $39\frac{3}{15}$ square feet

B) 43 square feet

C) 49 square feet

D) 48 square feet

Answer: D

235) Julie is saving $\frac{2}{19}$ of her monthly income of $6612 for retirement. How much money is she setting aside each month for retirement?

A) $348

B) $174

C) $696

D) $62,814

Answer: C