Test Bank for Basic College Mathematics An Applied Approach 10th Edition by Aufmann Lockwood ISBN 1133365442 9781133365440

Find the least common multiple (LCM) of the numbers 8, 6.

48
2
24
1
8

Find the least common multiple (LCM) of the numbers 10, 16.

10
2
160
1
80

Find the least common multiple (LCM) of the numbers 14, 10.

1
2
140
70
14

Find the least common multiple (LCM) of the numbers 4, 10, 16.

80
2
640
1
4

Find the greatest common factor (GCF) of the numbers 6, 4.

12

2
24
1

6

Find the greatest common factor (GCF) of the numbers 10, 24.

2
120
240
1
10

Find the greatest common factor (GCF) of the numbers 24, 48.

48
24
1152
1
2

Find the greatest common factor (GCF) of the numbers 10, 16, 34.

1360
5440
2
1
10

Find the greatest common factor (GCF) of the numbers 12, 18, 24.

6
12
18
24
216

Identify the following fraction as a proper fraction, an improper fraction, or a mixed number.

$\frac{23}{5}$

Proper fraction
Mixed number
Improper fraction

Identify the following fraction as a proper fraction, an improper fraction, or a mixed number.

$3\frac{2}{}$

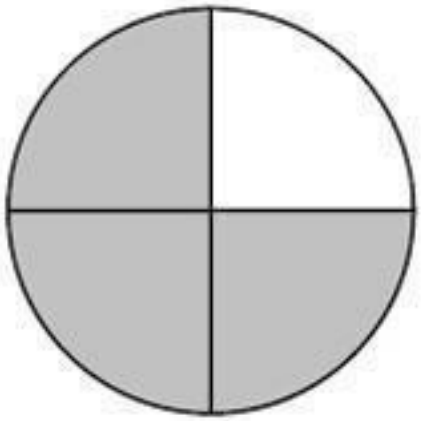
Improper fraction
Mixed number
Proper fraction

Identify the following fraction as a proper fraction, an improper fraction, or a mixed number.

$\frac{13}{16}$

Improper fraction
Mixed number
Proper fraction

13. Express the shaded portion of the circle as a fraction.



$\frac{1}{2}$

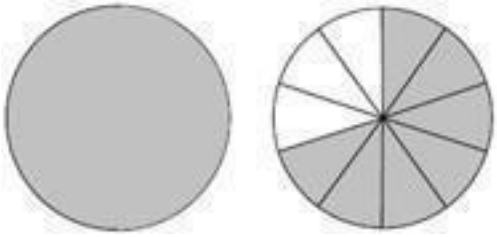
$\frac{1}{3}$

$\frac{2}{4}$

$\frac{1}{9}$

$\frac{3}{4}$

Express the shaded portion of the circles as a mixed number.



$1\frac{3}{2}$

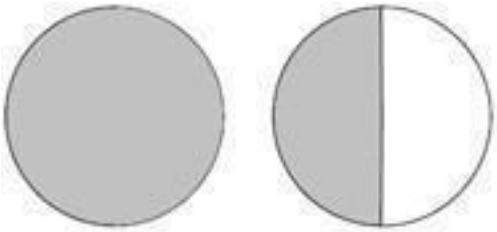
$1\frac{1}{2}$

$1\frac{2}{3}$

$2\,5\frac{2}{}$

$2\,2\frac{3}{}$

Express the shaded portion of the circles as an improper fraction.



$\frac{2}{6}$

$\frac{2}{3}$

$\frac{3}{8}$

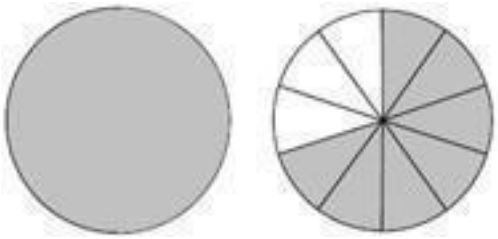
$\frac{3}{2}$

$\frac{8}{3}$

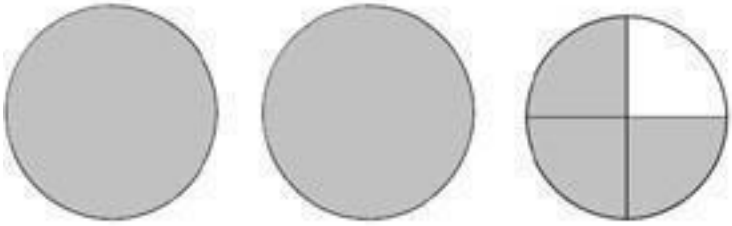
16. $1\frac{1}{6}$ $2\frac{2}{3}$ out of 3 circles.

Shade

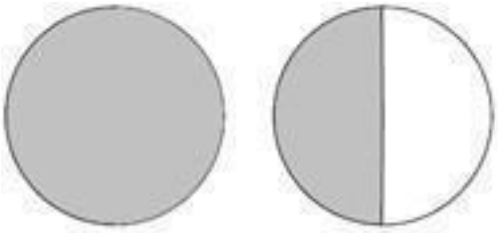
.A)



B)

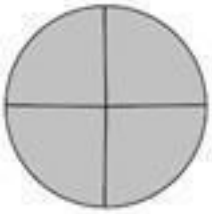


C)



D)

E)



17. 1 $\frac{25}{7}$ as a mixed number or a whole number.

.Write the improper fraction

$4\frac{2}{7}$

$4\frac{4}{7}$

$2\frac{2}{7}$

$2\frac{4}{7}$

$3\frac{4}{7}$

18. 1 $\frac{28}{4}$ as a mixed number or a whole number.

8 Write the improper fraction

A) 7

B) $7\frac{3}{4}$

C) $6\frac{3}{8}$

D) $9\frac{3}{4}$

E) 9

19. 1 $3\frac{1}{3}$ as an improper fraction.

9 . Write the mixed number

A) 4

3

B) 5

3

C) $\frac{10}{3}$

3

1

3

Write an equivalent fraction with the given denominator. $\frac{3}{52}$?

$\frac{3}{52}$

$\frac{13}{52}$

$\frac{16}{52}$

$\frac{12}{52}$

$\frac{19}{52}$

Write an equivalent fraction with the given denominator.

$5\frac{?}{6}$

$\frac{31}{6}$

$\frac{30}{6}$

$\frac{36}{6}$

$\frac{5}{6}$

$\frac{37}{6}$

Write the fraction in simplest form. $\frac{25}{7}$

$\frac{14}{25}$

$\frac{50}{7}$

$\frac{25}{10}$

Write the fraction in simplest form. 4

60
2
15
1
30
1
15
60
4
4
60

Write the fraction in simplest form. 0

50
0
1
50
25

E)

Write the fraction in simplest form. 3

3
3
3
9
0
6
1

Write the fraction in simplest form. 15

24

24

15

5

16

5

4

5

8

15

24

Write the fraction in simplest form. 48

4

48

1

12

4

1

4

12

Add:

7 1

17

8

34

8

17

6

17

6

34

1

29. Add:

1 7

8

3

1

3

8

1

Add:

6 9

7 7 7

A) $2\frac{6}{7}$

B) $\frac{11}{7}$

C) $\frac{3}{7}$

D) $2\frac{3}{7}$

E) $\frac{6}{7}$

31. Find the sum of $\frac{11}{7}$, $\frac{9}{7}$, and $\frac{9}{7}$.

A) $4\frac{1}{14}$

B) $\frac{29}{7}$

C) $\frac{1}{14}$

29

4 7

$\frac{1}{7}$

32. Add:

$$\frac{7}{12}\ \frac{1}{}$$

$$1\frac{13}{30}$$

$$\frac{13}{}$$

$$\frac{13}{}$$

$$2\,60\frac{13}{}$$

$$1\frac{13}{60}$$

Add:

$$\frac{9}{10}\ \frac{9}{20}$$

$$3\overline{20}3$$

$$2\overline{10}3$$

$$2\,\overline{20}3$$

$$\frac{3}{20}$$

$$\frac{3}{10}$$

34.3 $\frac{1}{3}$ added to $\frac{1}{5}$?

4 What is

.A) $\frac{8}{15}$

1 $\frac{8}{15}$

$\frac{4}{15}$

2 $4\frac{1}{}$

$\frac{1}{4}$

35.3 Find the sum of $\frac{7}{10}$, $\frac{3}{8}$, and $\frac{3}{4}$.

5

.

3 $80\frac{33}{}$

3 $40\frac{33}{}$

1 $\frac{33}{}80$

1 $\frac{33}{}40$

2 $80\frac{33}{}$

36.3 $\frac{1}{}$ $\frac{3}{}$ 1

6

1 $\frac{5}{24}$

3 $\frac{5}{24}$

1 $\frac{5}{48}$

3 $\frac{5}{48}$

2 $\frac{5}{24}$

37. Add:

$$\begin{array}{r} {}^{9}5\,{}^{2}3 \\ {}^{10} \\ {}^{12}72 \\ {}^{12}60 \\ {}^{11}60 \\ {}^{11}72 \\ {}^{12}600 \end{array}\quad\begin{array}{r} \\ \\ 43 \\ 43 \\ 43 \\ 43 \\ 43 \end{array}$$

Add:

$$\begin{array}{r} {}^{4} \\ 3 \\ {}^{11}64 \\ {}^{11}3 \\ {}^{10}8 \\ {}^{10}64 \\ {}^{11}1 \end{array}\quad\begin{array}{r} \\ 8 \\ 9 \\ 8 \\ 3 \\ 9 \\ 8 \end{array}$$

39. Add:

$$\begin{array}{r} 4\,5\frac{4}{5} \\ +\,8 \\ \hline \end{array}$$

A) $12\frac{4}{5}$

B) $13\frac{4}{5}$

C) $13\frac{4}{5}$

D) $12\frac{4}{5}$

E) $13\frac{2}{5}$

40. Add:

$$\begin{array}{r} 2\,2\frac{1}{2} \\ +\,5\,2\frac{1}{2} \\ \hline 4\,1\frac{1}{2} \\ +\,5\,4\frac{1}{2} \\ \hline 4\,4\frac{1}{2} \\ +\,5\,\overline{12}^{1} \\ \hline \end{array}$$

41. Add:

$7\frac{21}{25}$ 4

A) 12

B) $12\frac{21}{25}$

C) $12\frac{21}{50}$

D) $11\frac{21}{50}$

E) $11\frac{21}{25}$

42. 4 $\frac{5}{2}$ $\frac{2}{17}$ 1 $\frac{1}{2}$

.

Add: 5 2 .

6 $70\frac{43}{}$

5 $70\frac{43}{}$

5 $\overline{490}^{43}$

6 $\overline{490}^{43}$

$6\overline{280}^{43}$

43. $5\frac{3}{8}$ $1\frac{5}{6}$

Find the sum of and .

$\frac{5}{}$

A) $7\frac{}{18}$

B) $8\frac{5}{24}$

C) $8\frac{5}{18}$

D) $7\frac{5}{24}$

E) $8\frac{5}{32}$

44. $6\frac{6}{11}$ more than $3\frac{3}{4}$. Find

A) $11\frac{13}{121}$

B) $11\frac{13}{44}$

C) $11\frac{13}{16}$

D) $10\frac{13}{16}$

E) $10\frac{13}{44}$

45. $\frac{1}{10}$ $\frac{2}{7}$

What is $6\frac{}{4}$ added to ?

$17\,28\frac{15}{}$

$16\,28\frac{15}{}$

$17\,\frac{15}{}16$

$16\frac{15}{}16$

$17\,49\frac{15}{}$

46. $3\frac{5}{6}$ $1\frac{5}{11}$

Find the total of 2 , , and $8\frac{}{}$.

A) $7\frac{}{24}$

B) $6\,\frac{11}{24}$

C) $7\frac{11}{144}$

D) $6\frac{11}{144}$

E) $7\frac{11}{192}$

47. A table 35 inches high has a top that is $1\frac{1}{8}$ inches thick. Find the total thickness of the table top after a $2\frac{1}{16}$ inches veneer is applied.

A) $4\frac{3}{16}$ inches

B) $3\frac{3}{16}$ inches

C) $4\frac{3}{256}$ inches

D) $3\frac{3}{256}$ inches

E) $4\frac{3}{128}$ inches

48. You are working on a part-time job for $21 per hour. You worked 5, $1\frac{1}{2}$, $4\frac{2}{3}$, $1\frac{1}{2}$, $8\frac{1}{2}$ and 3 hours during the last five days.

Find the total number of hours you worked during the last five days.
Find your total wages for the five days.
(a) 24 hours; (b) $504 pay.
(a) 3 hours; (b) $504 pay.
(a) 24 hours; (b) $483 pay.
(a) 3 hours; (b) $483 pay.
(a) 3 hours; (b) $525 pay.

49. $2\frac{7}{10}$

The course of a yachting race is in the shape of a triangle with sides that measure

$2\frac{1}{2}$ miles, $5\frac{5}{8}$ miles, and 2 miles. Find the total length of the course.

$12\ 40\frac{33}{}$ miles

$10\ 40\frac{33}{}$ miles

$10\ 80\frac{33}{}$ miles

$12\ 80\frac{33}{}$ miles

$9\ 80\frac{33}{}$ miles

Subtract:

$$\begin{array}{r} \frac{11}{19} \\ \underline{\frac{10}{19}} \\ \frac{1}{19} \end{array}$$

$1\overline{19}^{1}$

$1\overline{38}^{1}$

$\frac{1}{38}$

$2\overline{19}^{1}$

51. Subtract:

$$\begin{array}{r} \frac{5}{11} \\ \underline{\frac{3}{11}} \\ 1\frac{1}{11} \end{array}$$

$$1\frac{2}{11}$$

$$\frac{2}{11}$$

$$\frac{1}{11}$$

$$2\frac{2}{11}$$

52. What is $2\frac{5}{19}$ less than $\frac{12}{19}$?

$$2\frac{7}{19}$$

$$1\frac{7}{19}$$

$$1\frac{38}{7}$$

$$\frac{7}{38}$$

$$\frac{7}{19}$$

53.5 $\frac{13}{21}$ and $\frac{2}{21}$.

3 Find the difference between .

A) $\frac{11}{42}$

$1\frac{11}{21}$

$1\frac{11}{42}$

$\frac{11}{21}$

$\frac{11}{63}$

54.5 $\frac{15}{22}$ decreased by $\frac{9}{22}$.

4 Find .

A) $\frac{3}{22}$

$\frac{1}{11}$

C) $\frac{3}{11}$

D) $\frac{3}{44}$

E) $\frac{3}{55}$

55.5 $\frac{11}{14}$ minus $\frac{9}{14}$?

5 What is .

$\frac{1}{14}$

$\frac{1}{21}$

1

7

$\frac{1}{28}$

$\frac{1}{35}$

56. Subtract:

$$\begin{array}{r} 6 \\ \overline{13} \\ \underline{1} \\ 5 \\ \overline{17} \\ \overline{845} \\ \overline{17} \\ \overline{325} \\ \overline{17} \\ \overline{195} \\ 17 \\ 65 \\ \overline{17} \\ \overline{130} \end{array}$$

Subtract:

$$\begin{array}{r} 7 \\ \overline{12} \\ \underline{6} \\ 13 \\ \overline{19} \\ \overline{156} \\ \overline{19} \\ \overline{144} \\ \overline{19} \\ \overline{468} \\ \overline{19} \\ \overline{312} \\ \overline{19} \\ \overline{169} \end{array}$$

58.5 $\frac{4}{17}$ less than $\frac{8}{13}$?

8. What is

A) 84

B) $\frac{289}{84}$

C) $\frac{169}{84}$

D) $\frac{3757}{84}$

E) $\frac{2873}{84}$

59.5 $\frac{6}{11}$ and $\frac{4}{9}$.

9. Find the difference between

A) $1\frac{5}{99}$

B) $1\frac{5}{22}$

C) $\frac{10}{99}$

D) $\frac{10}{891}$

$\frac{5}{99}$

60. Find $\frac{8}{11}$ decreased by $\frac{8}{15}$.

$1\frac{4}{11}$

$\frac{32}{165}$

$1\frac{16}{165}$

$\frac{32}{1815}$

$\frac{16}{165}$

61. What is $\frac{9}{14}$ minus $\frac{1}{22}$?

$$1\,77\frac{23}{}$$

$$1\,77\frac{46}{}$$

$$\frac{46}{77}$$

$$\frac{23}{77}$$

$$\frac{92}{99}$$

Subtract:

$$5\,11\frac{7}{}$$

$$4\frac{5}{}$$

$$\underline{\quad\quad 11}$$

$$1\,7\frac{2}{}$$

$$2\,\overline{11}^{\,2}$$

$$2\,7\frac{2}{}$$

$$1\,\overline{11}^{\,2}$$

$$3\,11\frac{2}{}$$

63. Subtract:

$$\begin{array}{r} 7 \\ 15 \\ -\,2\,15 \\ \hline \end{array}$$

$$\begin{array}{l} 2\,3\,\underline{1} \\ 3\,\underline{1}\,3 \\ 3\,7\,\underline{5} \\ 2\,7\,\underline{5} \\ 2\,\overline{2}\,1\,1 \end{array}$$

Subtract:

$$\begin{array}{r} 11\,\underline{5} \\ 1 \\ \hline \end{array}$$

$$\begin{array}{l} 3\,11\,\underline{5} \\ 1\,\overline{1}\,1\,5 \\ 1\,\overline{2}\,2\,5 \\ 2\,\overline{2}\,2\,5 \\ 2\,11\,\underline{5} \end{array}$$

65. Subtract:

$$\begin{array}{r} {\scriptstyle 8} \\ {\scriptstyle 1}\overline{8}9 \\ \hline 6\,9\overline{1} \end{array}$$

$$5\,9\overline{1}$$

$$5\,9\overline{8}$$

$$6\,9\overline{8}$$

$$7\,9\overline{8}$$

Subtract:

$$\begin{array}{r} {\scriptstyle 17}\overline{1}2^{5} \\ {\scriptstyle 11}\overline{2}\,9 \\ \hline 5\,\overline{3}6^{7} \end{array}$$

$$6\,\overline{3}6^{7}$$

$$5\,\overline{43}2^{35}$$

$$6\,\overline{43}2^{35}$$

$$5\overline{1}80^{7}$$

67.6 $7\frac{1}{2}$ less than $11\frac{4}{11}$?

. What is

$3\frac{19}{22}$

$4\frac{19}{22}$

$4\frac{19}{44}$

$3\frac{19}{44}$

$3\frac{19}{66}$

6 $11\frac{5}{8}$ $3\frac{1}{8}$

. Find the difference between and .

$8\frac{1}{8}$

$7\frac{3}{4}$

$7\frac{1}{8}$

$7\frac{1}{4}$

$8\frac{3}{4}$

$9\frac{1}{2}$ $2\frac{2}{9}$

6

9

.

What is E) $6\frac{14}{45}$

$9\frac{14}{15}$

$5\frac{14}{15}$

$5\frac{14}{45}$

$6\frac{14}{15}$

$3_{\text{minus}}{}^{5}$?

70. An 11 mile walkathon has three checkpoints. The first is $3\frac{4}{7}$ miles from the starting point. The second checkpoint is $4\frac{1}{5}$ miles from the first.

How many miles is it from the starting point to the second checkpoint?
How many miles is it from the second checkpoint to the finish line?

A) (a) $7\frac{27}{70}$ miles; (b) $1\frac{8}{35}$ miles

B) (a) $7\frac{27}{35}$ miles; (b) $2\frac{8}{35}$ miles

C) (a) $7\frac{27}{70}$ miles; (b) $2\frac{4}{35}$ miles

D) (a) $7\frac{27}{35}$ miles; (b) $1\frac{8}{35}$ miles

E) (a) $7\frac{27}{35}$ miles; (b) $2\frac{4}{35}$ miles

71. A patient with high blood pressure who weighs 171 pounds is put on a diet to lose 19 pounds in three months. The patient loses $10\frac{3}{8}$ pounds the first month and $11\frac{3}{8}$ pounds the second month. How much weight must be lost the third month for the goal to be achieved?

$4\frac{1}{4}$ pounds

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

$4\frac{1}{2}$ pounds

$3\frac{1}{2}$ pounds

$5\frac{1}{2}$ pounds

Multiply: 1 5

9

7

324

5

162

7

81

5

243

5

81

Multiply: 3 1

8

1

32

3

64

3

32

$1\overline{64}^{3}$

$1\overline{32}^{3}$

7 $\frac{1}{4}$ Multiply $\frac{13}{20}$.

A) $13\frac{}{160}$

$\frac{13}{80}$

$\frac{41}{240}$

$1\overline{)160}\,13$

$1\frac{13}{80}$

75.7 $\frac{2}{5}$ Find the product of $\frac{5}{24}$.

. A) $1\frac{}{4}$

$\frac{1}{24}$

$\frac{1}{12}$

$1\overline{)24}\,1$

$1\overline{)12}\,1$

76.7 $\frac{3}{8}$ What is $\frac{6}{13}$ times ?

A)5

$\frac{26}{104}$

$\frac{9}{52}$

$\frac{5}{104}$

$\frac{3}{52}$

77. Multiply:

$$5\frac{2}{9}$$

$$1\frac{1}{9}$$

$$1\overline{45}^{2}$$

$$\frac{2}{45}$$

$$5\,9\frac{2}{}$$

$$5\,9\frac{1}{}$$

Multiply: $\frac{3}{4}\,2$

$$\frac{3}{8}$$

$$2\frac{3}{4}$$

$$2\,2\frac{1}{}$$

$$1\frac{1}{2}$$

$$1\frac{3}{8}$$

79. Multiply:

$$\frac{6}{7}\,1\frac{1}{4}$$

$$1\frac{1}{7}$$

$$1\,\overline{28}^{1}$$

$$1\,\overline{14}^{1}$$

$$1\,\overline{28}^{3}$$

$$1\,14\frac{3}{}$$

Multiply:

$$4\,\frac{7}{9}\,\frac{1}{3}$$

A) $1\frac{8}{27}$

B) $1\frac{16}{27}$

C) $1\frac{50}{81}$

D) $1\frac{26}{81}$

E) $1\frac{52}{81}$

Multiply: $6\,3\frac{3}{7}$

$20\,7\frac{4}{7}$

$6\,7\frac{4}{7}$

$20\,7\frac{3}{7}$

$6\,7\frac{3}{7}$

$20\,14\frac{3}{7}$

Multiply: $3\,3\frac{3}{8}$

$3\,8\frac{3}{8}$

$3\,1\frac{3}{8}$

$10\,8\frac{3}{8}$

$10\,8\frac{1}{8}$

Multiply: $2\frac{2}{5}$

$13\frac{3}{15}$

$13\frac{1}{3}$

$5\,3\frac{2}{}$

$13\,3\frac{2}{}$

$5\frac{}{15}4$

Multiply: $6\frac{1}{2}$

$\frac{5}{}$

$2\,5\frac{1}{}$

$3\,5\frac{3}{}$

$12\,5\frac{3}{}$

$12\,5\frac{2}{}$

$\frac{3}{5}$

Multiply:

$\frac{2}{7}0$

$4\,7\frac{2}{}$

1

0

Undefined

14

86. Multiply:

$2 9\frac{5}{} \; 1\frac{1}{5}$

$3\overline{)45}^{7}$

$3\overline{)30}^{1}$

$3\,9\frac{1}{}$

$3\overline{)90}^{7}$

$3\overline{)15}^{1}$

87.8 $2\frac{1}{}$ $3\frac{3}{}$
7
.

Multiply 2 and 8.

A) $8\frac{7}{}$
32

B) $8\frac{7}{}$
16

C) $8\frac{9}{}$
16

D) $8\frac{11}{}$
32

E) $8\frac{11}{}$
16

88.8 $3\underline{2}$ $\underline{1}$
8
.

Find the product of 11

$1\overline{)11}^{1}$

$1\overline{)33}^{1}$

$1\overline{)33}^{4}$

$1\overline{)33}^{2}$

$1\frac{2}{}$

$11_{\text{and}}3$.

89.8 $4\frac{2}{3}$ times $5\frac{1}{6}$?
9
. What is

A) $24\frac{1}{9}$
B) $24\frac{1}{18}$
C) $24\frac{4}{27}$
D) $24\frac{5}{54}$
E) $24\frac{5}{27}$

90.9 $5\frac{1}{3}$
0 Salmon costs $4 per pound. Find the cost of pounds of salmon.
.

$22.00
$19.00
$23.00
$22.75
$23.75

The perimeter of a square is equal to 4 times the length of a side of the square. Find the perimeter of a square whose side measures $11\frac{5}{8}$ inches.

$46\frac{1}{4}$ inches
$46\frac{1}{2}$ inches
$45\frac{1}{2}$ inches
$45\frac{1}{4}$ inches
$45\frac{1}{8}$ inches

92. The area of a rectangle is equal to the product of the length of the rectangle times its width. Find the area of a rectangle that has a length of $4\frac{2}{5}$ miles and a width of $2\frac{2}{5}$ miles. The area will be in square miles.

A) $10\frac{8}{25}$ sq mi

B) $10\frac{7}{25}$ sq mi

C) $10\frac{3}{5}$ sq mi

D) $10\frac{14}{25}$ sq mi

E) $10\frac{16}{25}$ sq mi

93. The Booster Club is making 24 capes for the members of the high school marching band. Each cape is $1\frac{1}{8}$ yards of material at a cost of $8 per yard. Find the total cost of the material.

$315
$7
$192
$15
$360

Divide:

$\frac{5}{6}$

24
1
Undefined
0
5
6

Divide: $\frac{1}{1}$

24

1

144

4

0

Undefined

1

288

Divide: $\frac{1}{2}$

3

$\frac{1}{2}$

$\frac{2}{-}$

$\frac{1}{4}$

$\frac{4}{-}$

$\frac{1}{6}$

Divide:

$\frac{5}{36}$

$4\overline{)25}^{4}$

$\frac{1}{12}$

$4\overline{)25}^{8}$

$\frac{1}{6}$

$4\frac{16}{25}$

Divide:

$$\frac{8}{15} \div \frac{10}{7}$$

$$\frac{14}{40} \cdot \frac{21}{14}$$

$$\frac{15}{21}$$

$$\frac{1}{40}$$

9132

9. Divide $18\frac{1}{6}$ by $3\frac{1}{13}$.

$$18\frac{1}{6} \div 3\frac{1}{13}$$

$$\frac{109}{6} \cdot \frac{13}{40}$$

$$\frac{1417}{240}$$

$$5\frac{217}{240}$$

100.10 Find the quotient of $\frac{1}{4}$ and $\frac{7}{40}$.

A) $\frac{7}{160}$

B) $1\frac{3}{7}$

C) $1\frac{3}{14}$

D) $\frac{7}{80}$

E) $1\frac{6}{7}$

Divide: $20\frac{2}{}$

3

$13\ 3\frac{2}{}$

$13\ \frac{1}{}3$

$21\ \frac{1}{}2$

30

$1\frac{1}{}2$

102. Divide:

20

1

8

18

1

160

36

1

40

103. Divide:

$5\ 2\ \frac{4}{}$

9

$12\ 9\frac{4}{}$

$12\ 9\frac{2}{}$

$2\ \overline{4}4^{1}$

$2\ \overline{2}2^{1}$

$2\ 11\frac{1}{}$

104. Divide:

$$4\tfrac{1}{4}\tfrac{1}{4}$$

$$1$$

$$1\overline{)16}^{1}$$

$$17$$

$$1\overline{)32}^{1}$$

$$17\overline{)16}^{1}$$

Divide:

$$2\tfrac{5}{8}$$

$$2\,5^{\frac{1}{}}$$

$$2\overline{)10}^{1}$$

$$\begin{array}{r} 16 \\ \hline 105 \end{array}$$

$$\begin{array}{r} 32 \\ \hline 105 \end{array}$$

$$\begin{array}{r} 64 \\ \hline 105 \end{array}$$

106. Divide:

$$4^{1} \qquad 11$$

A) $$\begin{array}{r} 9 \\ 37 \\ \hline 198 \end{array}$$

$$45\,9^{\frac{2}{}}$$

$$\frac{37}{99}$$

$$45\,9^{\frac{1}{}}$$

$$\frac{74}{99}$$

107. Divide:

$7\frac{1}{3} \div 6\frac{5}{6}$

$1\frac{3}{41}$

$50\frac{1}{9}$

$1\frac{3}{82}$

$50\frac{2}{9}$

$1\frac{6}{41}$

108. Divide $8\frac{2}{3}$ by $7\frac{7}{11}$.

$1\frac{17}{252}$

$66\frac{2}{11}$

$1\frac{17}{126}$

$66\frac{4}{11}$

$1\frac{17}{63}$

1 $5\frac{1}{6}$ $1\frac{1}{4}$
0 9 Find the quotient of and .
.

$4\overline{)15}^{2}$
$6\ 24^{\frac{11}{}}$
$4\overline{)15}^{1}$
$6\ 12^{\frac{11}{}}$
$4\overline{)15}^{4}$

1 $8\frac{1}{}$
1 Individual cereal boxes contain ounce of cereal. How many boxes can be filled with
0 489 ounces of cereal?
.

20 8
1288
1288 $\frac{1}{}$
4
20 $4\frac{1}{}$
20

1 $\frac{1}{}$
1 The Inverness Investor Group bought 3 acres of land for $23,800. What was the
1 .cost of each acre?
$134,866
$154,700
$23,800
$4760
$4200

112.1 $10\frac{3}{7}$ gallons of gasoline on a 574-mile trip. How many miles can the car travel on 1 gallon of gasoline?

A car used $1\frac{1}{2}$.

41 miles
191 miles
1 mile
42 miles
39 miles

1 $11\frac{1}{4}$ acres for a housing project. One and a half $1\frac{1}{3}$ acres were set aside for a park.

The Hammond Company purchased

How many acres are available for housing?

How many $\frac{1}{4}$ acre parcels of land can be sold after the land for the park is set aside?

$9\frac{3}{4}$ acres; (b) 29 parcels
$10\frac{3}{4}$ acres; (b) 29 parcels
$10\frac{3}{4}$ acres; (b) 25 parcels
$9\frac{3}{4}$ acres; (b) 25 parcels

(a) 10 acres; (b) 28 parcels

Place the correct symbol, < or >, between the two numbers. 13

$\frac{28}{51}$

$\frac{13}{28}$ 51

$\frac{13}{28}$ 51

Place the correct symbol, < or >, between the two numbers.

8913

100

89 13

100

89 13

100

Place the correct symbol, < or >, between the two numbers. 7 7

17

7 7

17

7 7

17

Place the correct symbol, < or >, between the two numbers.

8

11

11 8

11

11 8

11

Simplify:

$\left(\frac{3}{5}\right)^2$

$\frac{18}{25}$

$\frac{9}{25}$

$\frac{9}{50}$

3

5

$\frac{3}{50}$

119. Simplify:

$$\frac{2}{3}\left(\frac{1}{2}\right)^4$$

$$\frac{1}{12}$$

$$\frac{1}{24}$$

$$\frac{1}{48}$$

$$\frac{1}{6}$$

$$\frac{3}{2}$$

Simplify: $\left(\frac{1}{2}\right)^4$

$$\left(\frac{2}{3}\right)^2$$

$$\frac{1}{9}$$

$$\frac{1}{18}$$

$$\frac{1}{36}$$

$$\frac{2}{9}$$

$$\frac{1}{4}$$

Simplify:

$$\frac{3}{5}\left(\frac{5}{6}\right)^2\left(\frac{6}{7}\right)$$

$$\frac{5}{15}\cdot\frac{6}{7}\cdot\frac{7}{14}\cdot\frac{5}{5}\cdot\frac{14}{7}\cdot\frac{15}{3}$$

$$7$$

Simplify: $3\left(\frac{3}{7}\right)^3\left(\frac{1}{7}\right)^2$

$$\frac{27}{343}\cdot\frac{3}{27}$$

$$\frac{2401}{27}\cdot\frac{7}{27}\cdot\frac{9}{343}$$

$$7$$

123. Simplify:

$$\frac{3}{12}^{2}\ \frac{5}{}$$

$$\frac{19}{128}$$

$$\frac{7}{96}$$

$$\frac{7}{48}$$

$$1\overline{96}^{7}$$

$$1\overline{48}^{7}$$

Simplify:

$$\frac{5217}{}\qquad 3\quad 618$$

$$1\,36\overline{29}$$

$$\frac{29}{}$$

$$\frac{437}{540}$$

$$1\,72\overline{29}$$

$$\frac{29}{}$$

125. Simplify:

$$\frac{2}{1238}^{2}\frac{5}{}$$

$$1\,144\frac{55}{}$$

$$\frac{55}{144}$$

$$\frac{1981}{2592}$$

$$\frac{55}{72}$$

$$1\frac{55}{}72$$

Simplify:

$$\frac{5}{6}\,6\,\frac{2}{11}\,4$$

$$2\,44\frac{43}{}$$

$$2\,88\frac{43}{}$$

$$2\,792\frac{775}{}$$

$$3\,88\frac{43}{}$$

$$\frac{241}{484}$$

Simplify: $\frac{1\ 5\ 7}{6\ 10}$

$2\ 84\frac{23}{}$

$1\ 84\frac{23}{}$

$1\ 56\frac{31}{}$

$1\ 42\frac{23}{}$

$2\ 42\frac{23}{}$

Simplify:

$\frac{4104}{9\quad 27\quad 9}$

$\frac{6}{23}$

$\frac{3}{23}$

$\frac{13}{46}$

$1\overline{23}^{3}$

$\frac{6}{11}$

Answer Key

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