

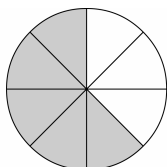
Master 8.30

Extra Practice 1

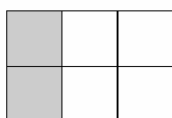
Lesson 1: Fractions of a Whole

1. Write a fraction to tell what part of each figure is shaded.

a)

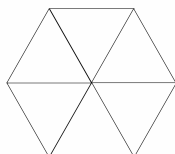


b)



2. Colour to show each fraction.

a) $\frac{4}{6}$



b) $\frac{1}{5}$

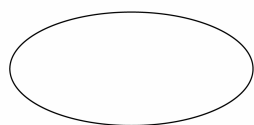


3. Does this diagram show $\frac{4}{9}$? Explain.

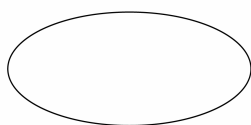


Lesson 2: Fraction Benchmarks

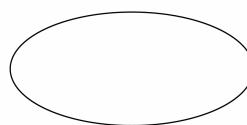
1. Sort the fractions in the box into 3 groups.



Closer to 0



Closer to $\frac{1}{2}$



Closer to 1

$\frac{1}{10}$	$\frac{11}{12}$	$\frac{5}{8}$
$\frac{2}{3}$	$\frac{2}{5}$	$\frac{6}{9}$
$\frac{2}{12}$	$\frac{9}{10}$	$\frac{1}{6}$

2. Joshua's glass was almost full. Name a fraction that might describe how full Joshua's glass was.

Extra Practice 2**Lesson 3: Fractions of a Set**

1. Use counters. Find the fraction of each set.

a) $\frac{1}{6}$ of 6 b) $\frac{7}{8}$ of 16 c) $\frac{2}{3}$ of 15

2. a) 3 is $\frac{3}{4}$ of a set. How many are in the set?

b) 8 is $\frac{2}{3}$ of a set. How many are in the set?

3. There are 18 pieces of fruit in a bowl.

One-sixth of the fruit are apples.

Two-thirds of the fruit are peaches.

The rest are oranges.

How many pieces of each type of fruit are in the bowl?

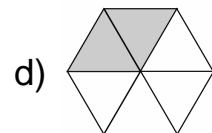
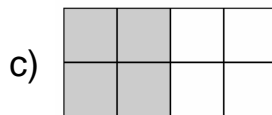
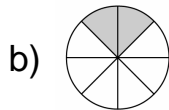
Lesson 5: Different Names for Fractions

1. Find an equivalent fraction for each fraction.

Use Cuisenaire Rods or fraction strips to help you.

a) $\frac{4}{8}$ b) $\frac{1}{2}$ c) $\frac{1}{5}$ d) $\frac{3}{4}$

2. Write 2 equivalent fractions to name the shaded part of each figure.



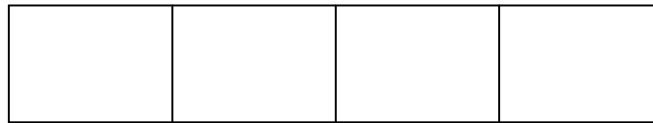
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Extra Practice 3

Lesson 5A: Adding Fractions

1. This rectangle represents 1 whole.



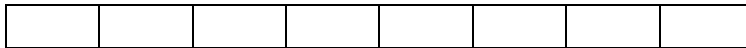
a) Colour this rectangle to show $\frac{1}{4} + \frac{1}{4}$.

b) Write the sum $\frac{1}{4} + \frac{1}{4} =$

c) Write an equivalent fraction for the sum.

2. Write as many addition sentences as you can that have $\frac{8}{10}$ as the sum.

3. Here is a rectangle divided into eighths.

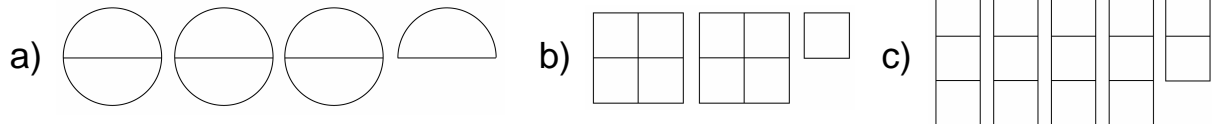


a) Colour $\frac{2}{8}$ of the rectangle red, $\frac{1}{8}$ of the rectangle yellow,
and $\frac{3}{8}$ of the rectangle blue.

b) Write an addition sentence that shows the sum of the fractions in part a.

Extra Practice 4**Lesson 6: More than One**

1. Write an improper fraction and a mixed number for each picture.



2. Write an improper fraction for each mixed number.
Use Pattern Blocks to help you.

a) $2\frac{1}{3}$ b) $1\frac{4}{6}$ c) $1\frac{2}{3}$

3. Write a mixed number for each improper fraction.
Use Pattern Blocks to help you.

a) $\frac{7}{6}$ b) $\frac{8}{3}$ c) $\frac{7}{2}$

4. Jeff baked $3\frac{1}{2}$ dozen cookies.
How many cookies did Jeff bake?

Lesson 7: Comparing and Ordering Fractions

1. Complete the sentences below using $>$, $<$, or $=$.

a) $1\frac{1}{2} \square \frac{3}{2}$ b) $\frac{5}{6} \square \frac{2}{6}$ c) $\frac{7}{8} \square 1\frac{1}{8}$

d) $\frac{1}{3} \square \frac{1}{9}$ e) $4\frac{1}{8} \square 2\frac{1}{2}$ f) $\frac{3}{5} \square \frac{7}{5}$

2. Order these numbers from least to greatest.

a) $\frac{5}{8}, \frac{2}{8}, \frac{7}{8}$ b) $1\frac{1}{3}, \frac{5}{3}, \frac{2}{3}$ c) $\frac{8}{12}, 2\frac{1}{12}, \frac{3}{12}$

3. Write a fraction or a mixed number to make each statement true.

a) $\frac{1}{2} < \square$ b) $2\frac{1}{3} > \square$ c) $\frac{7}{3} = \square$ d) $\frac{5}{8} < \square$

Extra Practice 5**Lesson 8: Exploring Tenths**

1. Draw a picture for each mixed number.

Write the mixed number as a decimal.

a) $2\frac{3}{10}$

b) $1\frac{5}{10}$

c) $4\frac{7}{10}$

2. Draw a picture for each decimal.

Write the decimal as a fraction or mixed number.

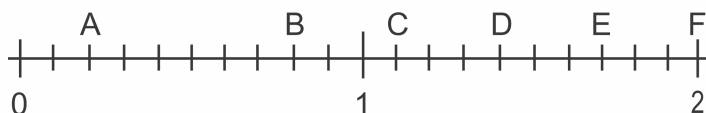
a) 0.4

b) 2.8

c) 3.6

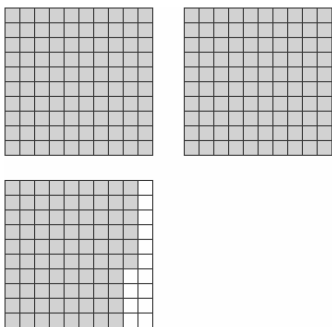
3. The number line shows decimals from 0 to 2.0.

Write the decimal for each letter.

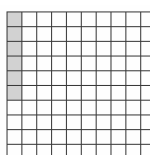
**Lesson 9: Exploring Hundredths**

1. Write a fraction and a decimal for the shaded part of each picture.

a)



b)



2. Write each number as a decimal.

a) $3\frac{44}{100}$

b) $\frac{18}{100}$

c) $7\frac{2}{100}$

d) $2\frac{51}{100}$

3. Write each decimal as a fraction or mixed number.

a) 0.04

b) 2.14

c) 8.07

d) 0.72

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Extra Practice 6

Lesson 10: Comparing and Ordering Decimals

1. Use $>$ or $<$ to compare the decimals.

a) $0.36 \square 0.49$

b) $2.40 \square 0.99$

c) $3.2 \square 1.9$

d) $6.75 \square 6.08$

e) $9.9 \square 10.2$

f) $0.9 \square 0.45$

2. Order these decimals from greatest to least.

a) 3.7, 3.1, 3.9

b) 0.8, 1.2, 0.9

c) 15.07, 15.41, 15.39

3. Complete to make a true statement.

a) $0.7 > \square$

b) $12.46 < \square$

c) $7.05 > \square$

d) $1.04 < \square$

e) $7.2 > \square$

f) $1.31 < \square$

Lesson 11: Adding Decimals

1. Estimate each sum.

a) $3.1 + 4.2$

b) $1.4 + 0.9$

c) $6.2 + 8.1$

d) $3.4 + 6.6$

2. Add. Use Base Ten Blocks to help you.

a) $6.1 + 4.3$

b) $1.4 + 5.3$

c) $5.8 + 2.3$

d) $1.8 + 0.9$

e) $2.2 + 9.4$

f) $4.8 + 4.8$

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Extra Practice 7

Lesson 12: Subtracting Decimals

1. Estimate each difference

a) $2.8 - 1.1$

b) $7.9 - 3.2$

c) $6.8 - 5.3$

2. Subtract.

a) $9.4 - 3.2$

b) $7.6 - 4.1$

c) $8.5 - 6.6$

d) $13.8 - 7.3$

e) $6.3 - 4.8$

f) $12.7 - 9.9$

3. Subtract.

a)
$$\begin{array}{r} 8.4 \\ - 4.1 \\ \hline \end{array}$$

b)
$$\begin{array}{r} 11.7 \\ - 8.9 \\ \hline \end{array}$$

c)
$$\begin{array}{r} 26.3 \\ - 14.5 \\ \hline \end{array}$$

d)
$$\begin{array}{r} 15.8 \\ - 12.1 \\ \hline \end{array}$$

e)
$$\begin{array}{r} 1.9 \\ - 0.2 \\ \hline \end{array}$$

Lesson 13: Adding and Subtracting Money

1. Find each sum.

a)
$$\begin{array}{r} \$4.76 \\ + 2.13 \\ \hline \end{array}$$

b)
$$\begin{array}{r} \$5.85 \\ + 4.38 \\ \hline \end{array}$$

c)
$$\begin{array}{r} \$2.50 \\ + 5.75 \\ \hline \end{array}$$

d)
$$\begin{array}{r} \$8.59 \\ + 4.26 \\ \hline \end{array}$$

2. Find each difference.

a)
$$\begin{array}{r} \$8.45 \\ - 6.20 \\ \hline \end{array}$$

b)
$$\begin{array}{r} \$7.63 \\ - 2.81 \\ \hline \end{array}$$

c)
$$\begin{array}{r} \$10.24 \\ - 5.87 \\ \hline \end{array}$$

d)
$$\begin{array}{r} \$6.81 \\ - 2.93 \\ \hline \end{array}$$

3. What is the change from \$10.00 when you spend each amount?

a) \$7.22

b) \$1.43

c) \$2.98

d) \$6.37

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Sample Answers

Extra Practice 1 – Master 8.30

Lesson 1

- a) $\frac{5}{8}$ b) $\frac{2}{6}$
- a) Regular hexagon divided into 6 equal parts with 4 parts shaded
b) Rectangle divided into 5 equal parts with 1 part shaded
- No. The figure is divided into 9 parts, but the parts are not equal.

Lesson 2

- Closer to 0: $\frac{1}{10}, \frac{2}{12}, \frac{1}{6}$
Closer to $\frac{1}{2}$: $\frac{5}{8}, \frac{2}{3}, \frac{6}{9}, \frac{2}{5}$
Closer to 1: $\frac{11}{12}, \frac{9}{10}$
- Sample answer: $\frac{5}{6}$

Extra Practice 2 – Master 8.31

Lesson 3

- a) 1 b) 14 c) 10
- a) 4 b) 12
- 3 apples, 12 peaches, and 3 oranges

Lesson 5

- a) $\frac{1}{2}$ b) $\frac{4}{8}$ c) $\frac{2}{10}$ d) $\frac{6}{8}$
- a) $\frac{2}{6}$ and $\frac{1}{3}$ b) $\frac{2}{8}$ and $\frac{1}{4}$
c) $\frac{4}{8}$ and $\frac{1}{2}$ d) $\frac{2}{6}$ and $\frac{1}{3}$

Extra Practice 3 – Master 8.32

Lesson 5A

- a)



b) $\frac{1}{4} + \frac{1}{4} = \frac{2}{4}$ c) $\frac{1}{2}$

2. a) $\frac{1}{10} + \frac{7}{10} = \frac{8}{10}$

$\frac{2}{10} + \frac{6}{10} = \frac{8}{10}$

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·

$\frac{7}{10} + \frac{1}{10} = \frac{8}{10}$

Or:

$\frac{1}{5} + \frac{3}{5} = \frac{4}{5} = \frac{8}{10}$

$\frac{2}{5} + \frac{2}{5} = \frac{4}{5} = \frac{8}{10}$

$\frac{3}{5} + \frac{1}{5} = \frac{4}{5} = \frac{8}{10}$

- a) Students should colour 2 squares to show $\frac{2}{8}$, 1 square to show $\frac{1}{8}$, and 3 squares to show $\frac{3}{8}$.

b) $\frac{2}{8} + \frac{1}{8} + \frac{3}{8} = \frac{6}{8}$

Extra Practice 4 – Master 8.33

Lesson 6

- a) $\frac{7}{2}$ and $3\frac{1}{2}$ b) $\frac{9}{4}$ and $2\frac{1}{4}$
c) $\frac{14}{3}$ and $4\frac{2}{3}$
- a) $\frac{7}{3}$ b) $\frac{10}{6}$ c) $\frac{5}{3}$
- a) $1\frac{1}{6}$ b) $2\frac{2}{3}$ c) $3\frac{1}{2}$
- 42 cookies

Lesson 7

- a) $1\frac{1}{2} = \frac{3}{2}$ b) $\frac{5}{6} > \frac{2}{6}$

c) $\frac{7}{8} < 1\frac{1}{8}$

d) $\frac{1}{3} > \frac{1}{9}$

e) $4\frac{1}{8} > 2\frac{1}{2}$

f) $\frac{3}{5} < \frac{7}{5}$

2. a) $\frac{2}{8}, \frac{5}{8}, \frac{7}{8}$

b) $\frac{2}{3}, 1\frac{1}{3}, \frac{5}{3}$

c) $\frac{3}{12}, \frac{8}{12}, 2\frac{1}{12}$

3. Sample Answers:

a) $\frac{1}{2} < \frac{3}{2}$

b) $2\frac{1}{3} > \frac{1}{4}$

c) $\frac{7}{3} = 2\frac{1}{3}$

d) $\frac{5}{8} < \frac{8}{8}$

2. a) 3.9, 3.7, 3.1

b) 1.2, 0.9, 0.8

c) 15.41, 15.39, 15.07

3. Sample Answers:

a) $0.7 > 0.41$

b) $12.46 < 13.21$

c) $7.05 > 7.02$

d) $1.04 < 1.12$

e) $7.2 > 7.1$

f) $1.31 < 1.45$

Lesson 11

1. a) About 7

b) About 2

c) About 14

d) About 10

2. a) 10.4

b) 6.7

c) 8.1

d) 2.7

e) 11.6

f) 9.6

Extra Practice 5 – Master 8.34

Lesson 8

1. a) 2.3

b) 1.5

c) 4.7

2. a) $\frac{4}{10}$

b) $2\frac{8}{10}$

c) $3\frac{6}{10}$

3. A 0.2

B 0.8

C 1.1

D 1.4

E 1.7

F 2.0

Lesson 9

1. a) $2\frac{86}{100}$ and 2.86

b) $\frac{6}{100}$ and 0.06

2. a) 3.44

b) 0.18

c) 7.02

d) 2.51

3. a) $\frac{4}{100}$

b) $2\frac{14}{100}$

c) $8\frac{7}{100}$

d) $\frac{72}{100}$

Extra Practice 6 – Master 8.35

Lesson 10

1. a) $0.36 < 0.49$

b) $2.40 > 0.99$

c) $3.2 > 1.9$

d) $6.75 > 6.08$

e) $9.9 < 10.2$

f) $0.9 > 0.45$

Extra Practice 7 – Master 8.36

Lesson 12

1. a) About 2

b) About 5

c) About 2

2. a) 6.2

b) 3.5

c) 1.9

d) 6.5

e) 1.5

f) 2.8

3. a) 4.3

b) 2.8

c) 11.8

d) 3.7

e) 1.7

Lesson 13

1. a) \$6.89

b) \$10.23

c) \$8.25

d) \$12.85

2. a) \$2.25

b) \$4.82

c) \$4.37

d) \$3.88

3. a) \$2.78

b) \$8.57

c) \$7.02

d) \$3.63