

Are you ready to
➔ EARN?

Mission 3

Add and Subtract Fractions

Name: _____

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Fourth Edition

Name: _____

Weekly Goal Tracker

Week of:	My goal is to earn badges for lessons: _____	Teacher Signature:
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Mission 3: Workbook Checklist

1. Equivalent Fractions!	Date: _____	Teacher Signature: _____
Math Chat:	<input type="radio"/> Notes	<input type="radio"/> Exit Ticket
2. More Equivalent Fractions	Date: _____	Teacher Signature: _____
Learning Lab:		<input type="radio"/> Exit Ticket
3. Make Like Units to Add	Date: _____	Teacher Signature: _____
Math Chat:	<input type="radio"/> Notes	<input type="radio"/> Exit Ticket
4. Fraction Addition	Date: _____	Teacher Signature: _____
Learning Lab:		<input type="radio"/> Exit Ticket
5. Make Like Units to Subtract	Date: _____	Teacher Signature: _____
Math Chat:	<input type="radio"/> Notes	<input type="radio"/> Exit Ticket
6. Fraction Subtraction	Date: _____	Teacher Signature: _____
Learning Lab:		<input type="radio"/> Exit Ticket
7. Fraction Problem Solving	Date: _____	Teacher Signature: _____
Z-Squad:	<input type="radio"/> Notes	<input type="radio"/> Exit Ticket
8. Make It Easier	Date: _____	Teacher Signature: _____
Math Chat:	<input type="radio"/> Notes	<input type="radio"/> Exit Ticket
9. Lovely Like Units	Date: _____	Teacher Signature: _____
Learning Lab:		<input type="radio"/> Exit Ticket
10. Add Mixed	Date: _____	Teacher Signature: _____
Math Chat:	<input type="radio"/> Notes	<input type="radio"/> Exit Ticket

11. Mixed Minus Mixed Date:_____ Teacher Signature:_____

Math Chat: **Notes** **Exit Ticket**

12. Mixed Methods Date:_____ Teacher Signature:_____

Z-Squad: **Notes** **Exit Ticket**

13. Mighty Mental Math Date:_____ Teacher Signature:_____

Learning Lab: **Exit Ticket**

14. Rearrange and Solve Date:_____ Teacher Signature:_____

Math Chat: **Notes** **Exit Ticket**

15. Fractions in Action Date:_____ Teacher Signature:_____

Z-Squad: **Notes** **Exit Ticket**

16. How Long? Date:_____ Teacher Signature:_____

Z-Squad: **Notes** **Exit Ticket**

Lesson 1
G:5 M:3

Equivalent Fractions!

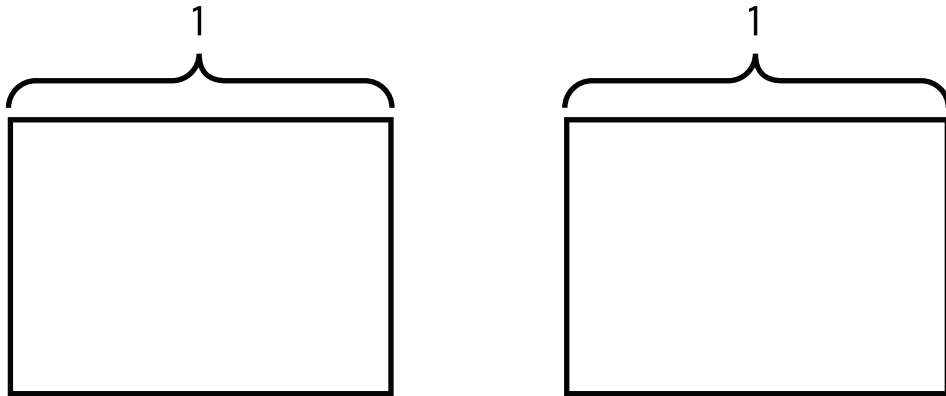
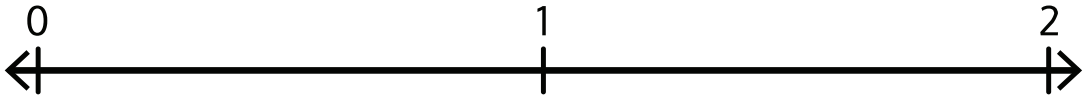
ZEARN STUDENT NOTES

Name: _____ Date: _____

Complete:

Class: _____

1



$$\frac{5}{4} = \frac{\quad \times}{\quad \times} = \frac{\quad}{\quad}$$



EXTRA WORKSPACE



Lesson 1
G:5 M:3

EXIT TICKET

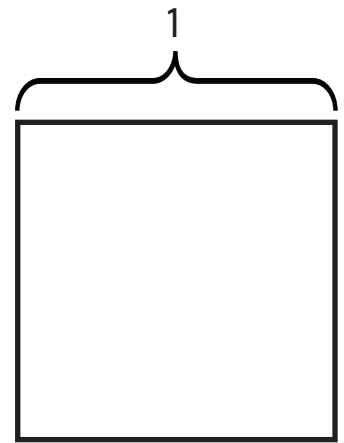
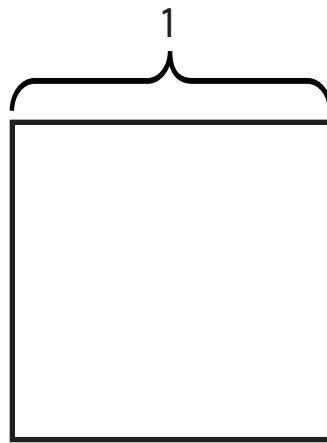
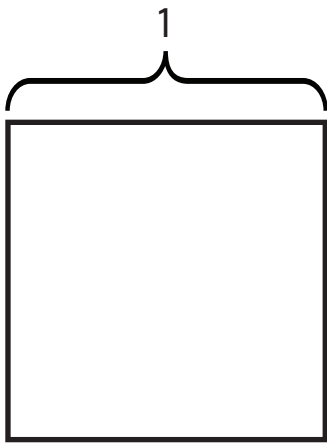
Name: _____ Date: _____

Complete:

Class: _____

1. Estimate to mark points 0 and 1 above the number line, and $\frac{0}{6}$, $\frac{1}{6}$, $\frac{2}{6}$, $\frac{3}{6}$, $\frac{4}{6}$, $\frac{5}{6}$, and $\frac{6}{6}$ below it.

Use the squares below to represent the fractions equivalent to 1 sixth using both arrays and equations.



$$\frac{1}{6} = \frac{1 \times 2}{6 \times 2} = \frac{2}{12}$$



Lesson 2
G:5 M:3

EXIT TICKET

Name: _____ Date: _____

Complete: Class: _____

1. Show each expression on a number line. Solve.

a. $\frac{5}{5} + \frac{2}{5}$

b. $\frac{6}{3} + \frac{2}{3}$

2. Express each fraction as the sum of two or three equal fractional parts. Rewrite each as a multiplication equation. Show Part (b) on a number line.

a. $\frac{6}{9}$

b. $\frac{15}{4}$



Lesson 3
G:5 M:3

Make Like Units to Add

ZEARN STUDENT NOTES

Name: _____ Date: _____

Complete:

Class: _____

1

SHOW YOUR WORK

$$\frac{2}{3} + \frac{1}{4} = \underline{\quad} + \underline{\quad} = \underline{\quad}$$



EXTRA WORKSPACE



Lesson 3
G:5 M:3

EXIT TICKET

Name: _____ Date: _____

Complete:

Class: _____

Solve by drawing the rectangular fraction model.

1. $\frac{1}{2} + \frac{1}{5} =$

2. In one hour, Ed used $\frac{2}{5}$ of the time to complete his homework and $\frac{1}{4}$ of the time to check his email. How much time did he spend completing homework and checking email? Write your answer as a fraction. (Extension: Write the answer in minutes.)



Lesson 5
G:5 M:3

Make Like Units to Subtract

ZEARN STUDENT NOTES

Name: _____ Date: _____

Complete:

Class: _____

1

SHOW YOUR WORK

$$\frac{2}{3} - \frac{1}{4} = \underline{\quad} - \underline{\quad} = \underline{\quad}$$



EXTRA WORKSPACE



Lesson 5
G:5 M:3

EXIT TICKET

Name: _____ Date: _____

Complete:

Class: _____

1. For the following problems, draw a picture using the rectangular fraction model and write the answer. Simplify your answer, if possible.

a. $\frac{1}{2} - \frac{1}{7} =$

b. $\frac{3}{5} - \frac{1}{2} =$



Lesson 6
G:5 M:3

EXIT TICKET

Name: _____ Date: _____

Complete:

Class: _____

1. For the following problems, draw a picture using the rectangular fraction model and write the answer. Simplify your answer, if possible.

a. $1 \frac{1}{5} - \frac{1}{2} =$

b. $1 \frac{1}{3} - \frac{5}{6} =$



Lesson 7
G:5 M:3

Fraction Problem Solving

ZEARN STUDENT NOTES

Name: _____ Date: _____

Complete:

Class: _____

- 1** Sophie planted seeds in $\frac{1}{5}$ of the garden, and Lucas planted some seeds too. When they were finished, $\frac{2}{3}$ of the garden still needed seeds.

In what fraction of the garden did Lucas plant seeds?

DRAW

SOLVE



2

Ethan sold $\frac{2}{3}$ gallon of lemonade. Kayla sold some lemonade too. Together, they sold $1\frac{1}{4}$ gallons.

Who sold more lemonade, Ethan or Kayla? How much more?

DRAW

SOLVE

FINISH SOLVING



Lesson 7
G:5 M:3

EXIT TICKET

Name: _____ Date: _____

Complete:

Class: _____

1. Solve the word problem using the RDW strategy. Show all of your work.

Mr. Pham mowed $\frac{2}{7}$ of his lawn. His son mowed $\frac{1}{4}$ of it. Who mowed the most? How much of the lawn still needs to be mowed?



Lesson 8
G:5 M:3

Make It Easier

ZEARN STUDENT NOTES

Name: _____ Date: _____

Complete:

Class: _____

1



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

=

=

=



EXTRA WORKSPACE



Lesson 8
G:5 M:3

EXIT TICKET

Name: _____ Date: _____

Complete:

Class: _____

1. Add or subtract.

a. $5 + 1\frac{7}{8} =$

b. $3 - 1\frac{3}{4} =$

c. $7\frac{3}{8} + 4 =$

d. $4 - 2\frac{3}{7} =$



Lesson 9
G:5 M:3

EXIT TICKET

Name: _____ Date: _____

Complete: Class: _____

1. Make like units, and then add.

a. $\frac{1}{6} + \frac{3}{4} =$

b. $1\frac{1}{2} + \frac{2}{5} =$



Lesson 10
G:5 M:3

Add Mixed

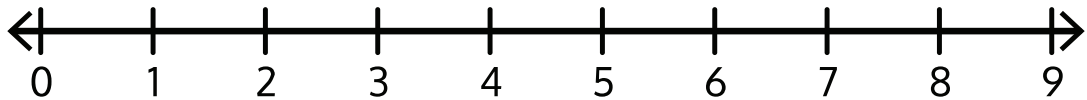
ZEARN STUDENT NOTES

Name: _____ Date: _____

Complete:

Class: _____

1



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

=

=

=

=

$\frac{2}{3} \times \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$

$\frac{2}{5} \times \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$



EXTRA WORKSPACE



Lesson 10
G:5 M:3

EXIT TICKET

Name: _____ Date: _____

Complete:

Class: _____

1. Add.

a. $3\frac{1}{2} + 1\frac{1}{3} =$

b. $4\frac{5}{7} + 3\frac{3}{4} =$



Lesson 11
G:5 M:3

Mixed Minus Mixed

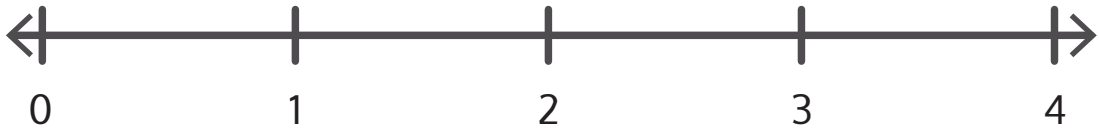
ZEARN STUDENT NOTES

Name: _____ Date: _____

Complete:

Class: _____

1



$$3\frac{3}{5} - 2\frac{1}{2}$$



EXTRA WORKSPACE



Lesson 11
G:5 M:3

EXIT TICKET

Name: _____ Date: _____

Complete:

Class: _____

1. Generate equivalent fractions to get like units. Then, subtract.

a. $\frac{3}{4} - \frac{3}{10} =$

b. $3\frac{1}{2} - 1\frac{1}{3} =$



Lesson 12
G:5 M:3

Mixed Methods

ZEARN STUDENT NOTES

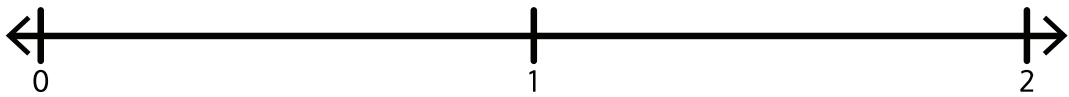
Name: _____ Date: _____

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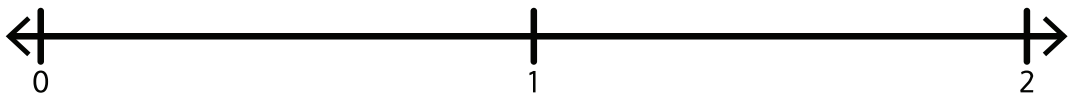
Class: _____

1

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



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

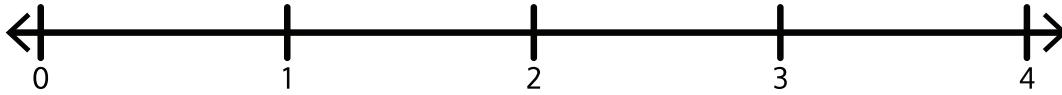


$$1 \frac{1}{5} - \frac{1}{2} = \underline{\hspace{2cm}}$$



2

$$3 \frac{1}{4} - 2 \frac{1}{2}$$



$$3 \frac{1}{4} - 2 \frac{1}{2} = \underline{\hspace{2cm}}$$

EXTRA WORKSPACE



Lesson 12
G:5 M:3

EXIT TICKET

Name: _____ Date: _____

Complete:

Class: _____

1. Subtract.

a. $5 \frac{1}{2} - 1 \frac{1}{3} =$

b. $8 \frac{3}{4} - 5 \frac{5}{6} =$



Lesson 13
G:5 M:3

EXIT TICKET

Name: _____ Date: _____

Complete: Class: _____

1. Circle the correct answer.

a. $\frac{1}{2} + \frac{5}{12}$ greater than 1 less than 1

b. $2\frac{7}{8} - 1\frac{7}{9}$ greater than 1 less than 1

c. $1\frac{1}{12} - \frac{7}{10}$ greater than $\frac{1}{2}$ less than $\frac{1}{2}$

d. $\frac{3}{7} + \frac{1}{8}$ greater than $\frac{1}{2}$ less than $\frac{1}{2}$

2. Use $>$, $<$, or $=$ to make the following statement true.

$$4\frac{4}{5} + 3\frac{2}{3} \text{ ______ } 8\frac{1}{2}$$



Lesson 14
G:5 M:3

Rearrange and Solve

ZEARN STUDENT NOTES

Name: _____ Date: _____

Complete:

Class: _____

1

SHOW YOUR WORK

$$2 \frac{5}{6} - \frac{1}{3} + \frac{1}{6}$$

$$= (\quad + \quad) - \quad$$



EXTRA WORKSPACE



Lesson 14
G:5 M:3

EXIT TICKET

Name: _____ Date: _____

Complete: Class: _____

1. Fill in the blank to make the statement true.

a. $1 \frac{3}{4} + \frac{1}{6} + \underline{\hspace{2cm}} = 7 \frac{1}{2}$

b. $8 \frac{4}{5} - \frac{2}{3} - \underline{\hspace{2cm}} = 3 \frac{1}{10}$



Lesson 15
G:5 M:3

Fractions in Action

ZEARN STUDENT NOTES

Name: _____ Date: _____

Complete:

Class: _____

- 1** In a race, the second-place finisher crossed the finish line $1\frac{1}{3}$ minutes after the first-place finisher. The third-place finisher was $1\frac{3}{4}$ minutes behind the second-place finisher. The third-place finisher took $34\frac{2}{3}$ minutes.

How long did the first-place finisher take?

DRAW



SOLVE



Lesson 15
G:5 M:3

EXIT TICKET

Name: _____ Date: _____

Complete:

Class: _____

1. Solve the word problem using the RDW strategy. Show all of your work.

Cheryl bought a sandwich for $5\frac{1}{2}$ dollars and a drink for \$2.60. If she paid for her meal with a \$10 bill, how much money did she have left? Write your answer as a fraction and in dollars and cents.



Lesson 16
G:5 M:3

How Long?

ZEARN STUDENT NOTES

Name: _____ Date: _____

Complete:

Class: _____

- 1** Half of Ethan's string is equal to $\frac{2}{3}$ of Kayla's string. The total length of their strings is 10 feet.

How much longer is Ethan's string than Kayla's?

DRAW

SOLVE



EXTRA WORKSPACE



Lesson 16
G:5 M:3

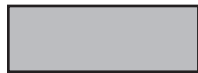
EXIT TICKET

Name: _____ Date: _____

Complete: Class: _____

1. Draw the following ribbons.

- a. 1 ribbon. The piece shown below is only $\frac{2}{3}$ of the whole. Complete the drawing to show the whole ribbon.



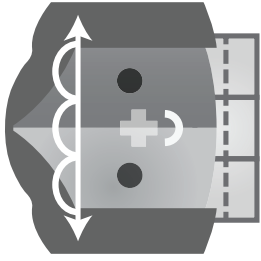
- b. 1 ribbon. The piece shown below is only $\frac{1}{4}$ of the whole. Complete the drawing to show the whole ribbon.



- c. 3 ribbons, A, B, and C. 1 third of A is the same length as B. C is half as long as B. Draw a picture of the ribbons.



ZEARN



Congratulations!
You completed

Grade 5 Mission 3

Add and Subtract Fractions

.....
Name

.....
Date



.....
Zearned it!

