Are you ready to

Mission 4

Multiply and Divide Fractions and Decimals

Name:_____

Printed in the U.S.A.

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Fourth Edition

Name:_____

Weekly Goal Tracker

Week of:	My goal is to earn badges for lessons: _____ _____ _____ _____	Teacher Signature:
Week of:	My goal is to earn badges for lessons: _____ _____ _____ _____	Teacher Signature:
Week of:	My goal is to earn badges for lessons: _____ _____ _____ _____	Teacher Signature:
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Week of:	My goal is to earn badges for lessons: _____ _____ _____ _____	Teacher Signature:
Week of:	My goal is to earn badges for lessons: _____ _____ _____ _____	Teacher Signature:

Name:_____

Mission 4: Workbook Checklist

1. Measure It, Plot It Date:_____ Teacher Signature:_____

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

2. Divide S'more Date:_____ Teacher Signature:_____

Learning Lab: ○ **Exit Ticket**

3. Equal Sequel Date:_____ Teacher Signature:_____

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

4. Divide the Tape Date:_____ Teacher Signature:_____

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

5. Draw Then Divide Date:_____ Teacher Signature:_____

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

6. Group Division Date:_____ Teacher Signature:_____

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

7. Tape Fractions Date:_____ Teacher Signature:_____

Learning Lab: ○ **Exit Ticket**

8. Multiplying Fractions Date:_____ Teacher Signature:_____

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

9. Larger to Smaller Date:_____ Teacher Signature:_____

Learning Lab: ○ **Exit Ticket**

10. Mighty Writing Date:_____ Teacher Signature:_____

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

11. Partition Problems Date:_____ Teacher Signature:_____

Z-Squad: O Notes O Exit Ticket

12. Picture the Parts Date:_____ Teacher Signature:_____

Z-Squad: O Notes O Exit Ticket

13. Fractions of Fractions Date:_____ Teacher Signature:_____

Math Chat: O Notes O Exit Ticket

14. Fractions, Fractions...FRACTIONS! Date:_____ Teacher Signature:_____

Math Chat: O Notes O Exit Ticket

15. Funky Fractions Date:_____ Teacher Signature:_____

Math Chat: O Notes O Exit Ticket

16. Space Tapes Date:_____ Teacher Signature:_____

Learning Lab: O Exit Ticket

17. Fractions to Decimals Date:_____ Teacher Signature:_____

Math Chat: O Notes O Exit Ticket

18. Multiplication Mountain Date:_____ Teacher Signature:_____

Learning Lab: O Exit Ticket

19. Cooler Conversions Date:_____ Teacher Signature:_____

Learning Lab: O Exit Ticket

20. Conversions Return Date:_____ Teacher Signature:_____

Math Chat: O Notes O Exit Ticket

21. Multiply by One Date:_____ Teacher Signature:_____

Math Chat: O Notes O Exit Ticket

22. Scale It Date:_____ Teacher Signature:_____

Learning Lab: ○ Exit Ticket

23. Scale It (The Remix) Date:_____ Teacher Signature:_____

Learning Lab: ○ Exit Ticket

24. Figuring Fractions and Decimals Date:_____ Teacher Signature:_____

Z-Squad: ○ Notes ○ Exit Ticket

25. Dividing Two Ways Date:_____ Teacher Signature:_____

Math Chat: ○ Notes ○ Exit Ticket

26. Divide the Part Date:_____ Teacher Signature:_____

Math Chat: ○ Notes ○ Exit Ticket

27. Partition Power Date:_____ Teacher Signature:_____

Z-Squad: ○ Notes ○ Exit Ticket

29. Dividing Decimals Reasonably Date:_____ Teacher Signature:_____

Learning Lab: ○ Exit Ticket

30. Decimals Dividing Decimals Date:_____ Teacher Signature:_____

Math Chat: ○ Notes ○ Exit Ticket

31. Decimal Division Deluxe Date:_____ Teacher Signature:_____

Math Chat: ○ Notes ○ Exit Ticket

32. Words to Numbers Date:_____ Teacher Signature:_____

Learning Lab: ○ Exit Ticket

33. Draw the Division Date:_____ Teacher Signature:_____

Z-Squad: ○ Notes ○ Exit Ticket

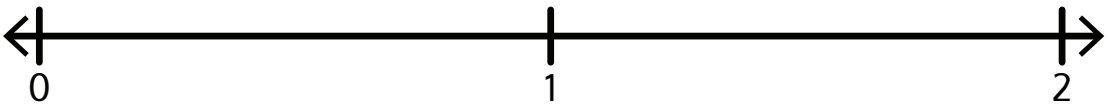
Lesson 1 G:5 M:4	Measure It, Plot It
	ZEARN STUDENT NOTES

Name:_____ Date:_____

Complete: ☐ Class:_____

1 Jacob measured the height of 10 bean plants after their first week of sprouting and recorded the data in the table below.

Bean Plant Growth (in inches)



Bean plant	Height (in inches)
1	$\frac{3}{8}$
2	$\frac{1}{4}$
3	$1\frac{1}{8}$
4	$\frac{3}{8}$
5	$\frac{7}{8}$
6	$\frac{3}{8}$
7	$\frac{1}{4}$
8	$\frac{5}{8}$
9	1
10	$\frac{5}{8}$

2 **Which plant grew the most?**

_____ grew the most.

3 **Which plants grew the least?**

_____ grew the least.

4 **Which measurement was the most frequent?**

The most frequent measurement was _____ .

EXTRA WORKSPACE

Lesson 1 G:5 M:4	EXIT TICKET

Name:_____ **Date:**_____

Complete: ☐ **Class:**_____

1. Draw a line plot for the following data measured in inches:

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

2. Explain how you decided to divide your wholes into fractional parts, and how you decided where your number scale should begin and end.

Lesson 2 G:5 M:4	EXIT TICKET

Name:_____ **Date:**_____

Complete: ☐ **Class:**_____

1. Draw a picture that shows the division expression. Then, write an equation and solve.

   a. $3 \div 9$

   b. $4 \div 3$

2. Fill in the blanks to make true number sentences.

a. $21 \div 8 =$ _____

b. $\frac{7}{4} =$ _____ $\div$ _____

c. $4 \div 9 =$ _____

d. $1\frac{2}{7} =$ _____ $\div$ _____

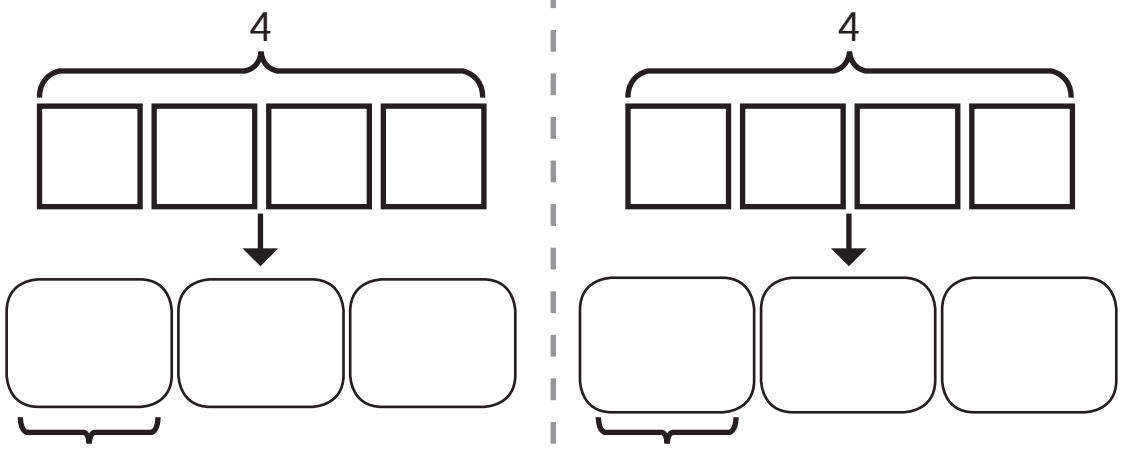
Lesson 3 G:5 M:4	Equal Sequel
	ZEARN STUDENT NOTES

Name:_____ **Date:**_____

Complete: ☐ **Class:**_____

1 Jacob shares 4 sandwiches equally on 3 plates.

How many sandwiches will be on each plate?



ALGORITHM

EXTRA WORKSPACE

Lesson 3 G:5 M:4	EXIT TICKET

Name:_____ **Date:**_____

Complete: ☐ **Class:**_____

1. A baker made 9 cupcakes, each a different type. Four people want to share them equally.

   How many cupcakes will each person get? Fill in the chart to show how to solve the problem.

Division Expression	Unit Forms	Fractions and Mixed Numbers	Standard Algorithm
Draw to show your thinking:			

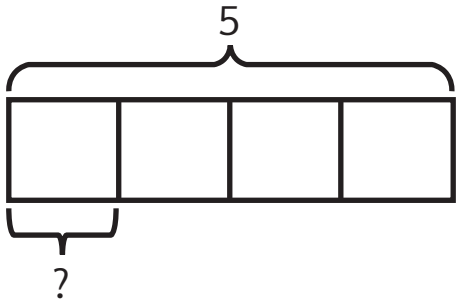
Lesson 4 G:5 M:4	Divide the Tape
	ZEARN STUDENT NOTES

Name:_____ **Date:**_____

Complete: ☐ **Class:**_____

1 Five tons of gravel is equally divided between 4 dump trucks.

How much gravel is in one dump truck?



4 units = 5

1 unit = _____ ÷ _____

= _____

= _____

Each dump truck holds _____ tons of gravel.

Division Algorithm:

$4\overline{)5}$

Check:

4 × _____

= _____ + _____ + _____ + _____

= _____ + _____

= _____

EXTRA WORKSPACE

Lesson 4 G:5 M:4	EXIT TICKET

Name:_____ **Date:**_____

Complete: ☐ **Class:**_____

1. Matthew and his 3 siblings are weeding a flower bed with an area of 9 square yards.

   If they share the job equally, how many square yards of the flower bed will each child need to weed? Use a tape diagram to show your thinking.

Lesson 5 G:5 M:4	Draw Then Divide
	ZEARN STUDENT NOTES

Name:_____ Date:_____

Complete: ☐ Class:_____

1 The Miller family likes to paddle along the North River.

They paddled the same distance each day throughout the course of 3 days, traveling a total of 14 miles.

How many miles did they travel each day?

DRAW

SOLVE

2 If the Millers went half their daily distance each day, but extended their trip to twice as many days, how far would they travel?

DRAW

SOLVE

EXTRA WORKSPACE

Lesson 5 G:5 M:4	EXIT TICKET

Name:_____ **Date:**_____

Complete: ☐ **Class:**_____

A grasshopper covered a distance of 5 yards in 9 equal hops. How many yards did the grasshopper travel on each hop?

a. Draw a picture to support your work.

b. How many yards did the grasshopper travel after hopping twice?

Lesson 6 G:5 M:4	Group Division
	ZEARN STUDENT NOTES

Name:_____ **Date:**_____

Complete: ☐ **Class:**_____

1 Kayla has 8 apples. She wants to give $\frac{3}{4}$ of the apples to her friends.

How many apples will her friends get?

Tape diagram:

Kayla's friends will get _____ apples.

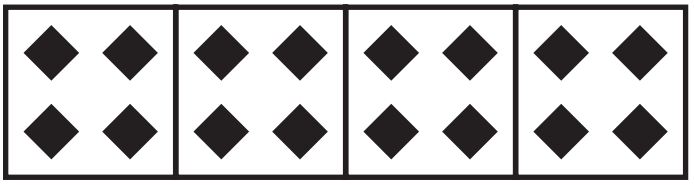
EXTRA WORKSPACE

Lesson 6 G:5 M:4	EXIT TICKET

Name:_____ **Date:**_____

Complete: ☐ **Class:**_____

1. Find the value of each of the following:



   a. $\frac{1}{4}$ of 16 =

   b. $\frac{3}{4}$ of 16 =

2. Out of 18 cookies, $\frac{2}{3}$ are chocolate chip.

   How many of the cookies are chocolate chip?

Lesson 7 G:5 M:4	EXIT TICKET

Name:_____ **Date:**_____

Complete: ☐ **Class:**_____

Solve using a tape diagram.

1. $\frac{3}{5}$ of 30

2. $\frac{3}{5}$ of a number is 30. What's the number?

3. Mrs. Johnson baked 2 dozen cookies. Two-thirds of the cookies were oatmeal.

   How many oatmeal cookies did Mrs. Johnson bake?

Lesson 8 G:5 M:4	Multiplying Fractions
	ZEARN STUDENT NOTES

Name:_____ Date:_____

Complete: ☐ Class:_____

1

SHOW YOUR WORK

$\frac{7}{6} \times 27 =$ _____

$=$ _____

EXTRA WORKSPACE

Lesson 8 G:5 M:4	EXIT TICKET

Name:_____ **Date:**_____

Complete: ☐ **Class:**_____

Solve each problem in two different ways as modeled in the example.

Example: $\frac{2}{3} \times 6 = \frac{2 \times 6}{3} = \frac{12}{3} = 4$ $\frac{2}{3} \times 6 = \frac{2 \times \cancel{6}^{2}}{\cancel{3}_{1}} = 4$

1. $\frac{2}{3} \times 15$ $\frac{2}{3} \times 15$

2. $\frac{5}{4} \times 12$ $\frac{5}{4} \times 12$

Lesson 9 G:5 M:4	EXIT TICKET

Name:_____ **Date:**_____

Complete: ☐ **Class:**_____

1. Express 36 minutes as a fraction of an hour:

   36 minutes = _____ hour

2. Solve.

   a. $\frac{2}{3}$ feet = _____ inches

   b. $\frac{2}{5}$ m = _____ cm

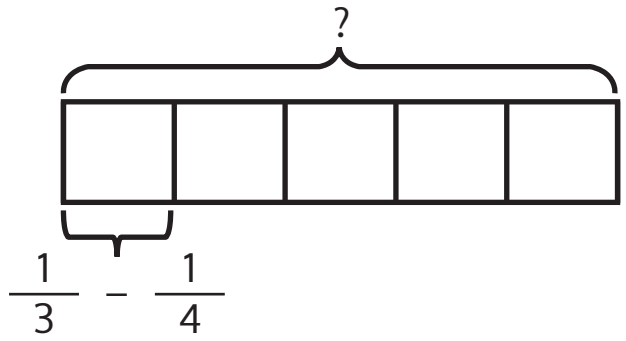
   c. $\frac{5}{6}$ year = _____ months

Lesson 10 G:5 M:4	Mighty Writing
	ZEARN STUDENT NOTES

Name:_____ Date:_____

Complete: ☐ Class:_____

1



? = _____

= _____

= _____ × _____

= _____ × _____

= _____

EXTRA WORKSPACE

Lesson 10 G:5 M:4	EXIT TICKET

Name:_____ **Date:**_____

Complete: ☐ **Class:**_____

1. Rewrite these expressions using words.

   a. $\frac{3}{4} \times (2\ \frac{2}{5} - \frac{5}{6})$

   b. $2\ \frac{1}{4} + \frac{8}{3}$

2. Write an expression, and then solve:

   Three less than one-fourth of the product of eight-thirds and nine.

Lesson 11 G:5 M:4	Partition Problems
	ZEARN STUDENT NOTES

Name:_____ **Date:**_____

Complete: ☐ **Class:**_____

1 Jack, Jill, and Bill each carried a 48-ounce bucket full of water down the hill. By the time they reached the bottom, Jack's bucket was only $\frac{3}{4}$ full, Jill's was $\frac{2}{3}$ full, and Bill's was $\frac{1}{6}$ full.

How much water did they spill altogether on their way down?

DRAW

SOLVE

Lesson 11 G:5 M:4	EXIT TICKET

Name:_____ **Date:**_____

Complete: ☐ **Class:**_____

1. Use a tape diagram to solve.

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

Lesson 12 G:5 M:4	Picture the Parts
	ZEARN STUDENT NOTES

Name:_____ **Date:**_____

Complete: ☐ **Class:**_____

1 In Mr. Elliot's garden, $\frac{1}{8}$ of the flowers are red, $\frac{1}{4}$ of them are purple, and $\frac{1}{4}$ of the remaining flowers are pink.

If there are 128 flowers, how many flowers are pink?

DRAW

SOLVE

EXTRA WORKSPACE

Lesson 12 G:5 M:4	EXIT TICKET

Name:_____ **Date:**_____

Complete: ☐ **Class:**_____

1. In a classroom, $\frac{1}{6}$ of the students are wearing blue shirts, and $\frac{2}{3}$ are wearing white shirts. There are 36 students in the class.

   How many students are wearing a shirt other than blue or white?

Lesson 13 G:5 M:4	Fractions of Fractions
	ZEARN STUDENT NOTES

Name:_____ **Date:**_____

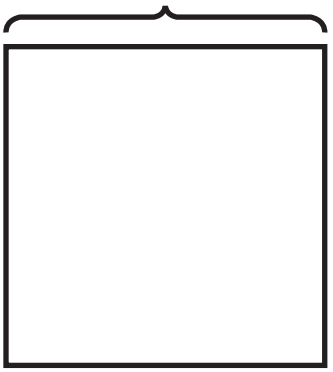
Complete: ☐ **Class:**_____

1 Jacob puts jam on $\frac{1}{3}$ slice of bread. He eats $\frac{1}{2}$ of the part with jam.

What fraction of the bread does Jacob eat?

SHOW YOUR WORK

1 whole



$$\_\_\_ \text{ of } \_\_\_$$

$$= \_\_\_ \times \_\_\_$$

$$= \_\_\_$$

_____

EXTRA WORKSPACE

Lesson 13 G:5 M:4	EXIT TICKET

Name:_____ **Date:**_____

Complete: ☐ **Class:**_____

1. Solve. Draw a rectangular fraction model, and write a number sentence to show your thinking.

   $\frac{1}{3} \times \frac{1}{3} =$

2. Ms. Sheppard cuts $\frac{1}{2}$ of a piece of construction paper. She uses $\frac{1}{6}$ of the piece to make a flower.

   What fraction of the sheet of paper does she use to make the flower?

Lesson 14 G:5 M:4	Fractions, Fractions ... FRACTIONS!
	ZEARN STUDENT NOTES

Name:_____ **Date:**_____

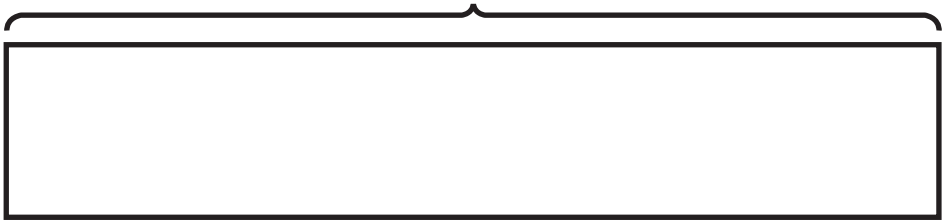
Complete: ☐ **Class:**_____

1 The gym teacher uses $\frac{3}{5}$ of his kickballs in class. Half of the remaining balls are given to students for recess.

What fraction of all the kickballs is given to students for recess?

SHOW YOUR WORK

Total kickballs



_____ = _____

_____

_____

EXTRA WORKSPACE

Lesson 14 G:5 M:4	EXIT TICKET

Name:_____ **Date:**_____

Complete: ☐ **Class:**_____

1. Solve. Draw a rectangular fraction model to explain your thinking. Then, write a number sentence.

   $\frac{1}{3}$ of $\frac{3}{7}$ =

2. In a cookie jar, $\frac{1}{4}$ of the cookies are chocolate chip, and $\frac{1}{2}$ of the rest are peanut butter.

   What fraction of all the cookies is peanut butter?

Lesson 15 G:5 M:4	Funky Fractions
	ZEARN STUDENT NOTES

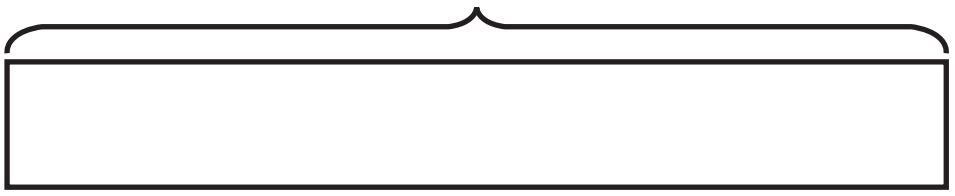
Name:_____ **Date:**_____

Complete: ☐ **Class:**_____

1 Hannah completes $\frac{3}{7}$ of her homework immediately after school and $\frac{1}{4}$ of the remaining homework before supper. She finishes the rest after dessert.

What fraction of her work did she finish after dessert?

Total homework



_____ of _____ = _____

_____ × _____ = _____

_____

_____

EXTRA WORKSPACE

Lesson 15 G:5 M:4	EXIT TICKET

Name:_____ **Date:**_____

Complete: ☐ **Class:**_____

1. Solve. Draw a rectangular fraction model to explain your thinking. Then, write a multiplication sentence.

   a. $\frac{2}{3}$ of $\frac{3}{5}$ =

   b. $\frac{4}{9} \times \frac{3}{8}$ =

2. A newspaper's cover page is $\frac{3}{8}$ text, and photographs fill the rest.

   If $\frac{2}{5}$ of the text is an article about endangered species, what fraction of the cover page is the article about endangered species?

Lesson 16 G:5 M:4	EXIT TICKET

Name:_____ **Date:**_____

Complete: ☐ **Class:**_____

1. Solve and show your thinking with a tape diagram.
   Three-quarters of the boats in the marina are white, $\frac{4}{7}$ of the remaining boats are blue, and the rest are red.

   If there are 9 red boats, how many boats are in the marina?

Lesson 17 G:5 M:4	Fractions to Decimals
	ZEARN STUDENT NOTES

Name:_____ Date:_____

Complete: ☐ Class:_____

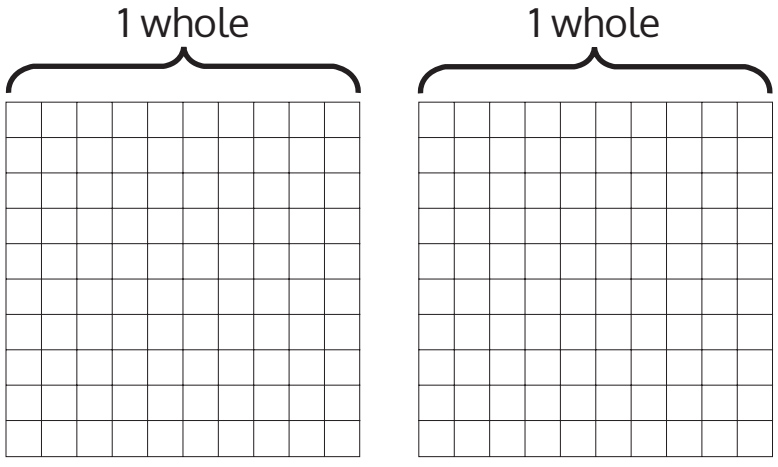
1

$$\frac{1}{10} \times 1.3$$

= _____ × _____

= _____

= _____



EXTRA WORKSPACE

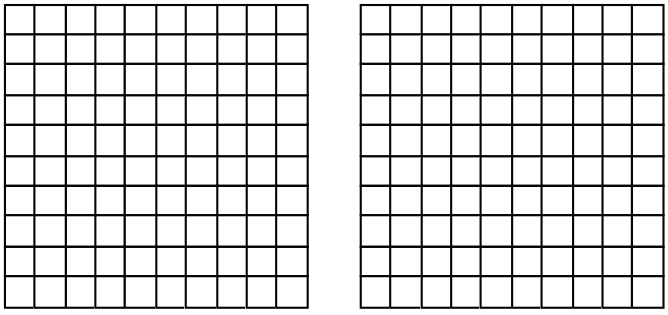
Lesson 17 G:5 M:4	EXIT TICKET

Name:_____ **Date:**_____

Complete: ☐ **Class:**_____

1. Multiply and model. Rewrite the expression as a number sentence with decimal factors.

   $\frac{1}{10} \times 1.2$



2. Multiply.

   a. $1.5 \times 3 =$ _____

   b. $1.5 \times 0.3 =$ _____

   c. $0.15 \times 0.3 =$ _____

Lesson 18 G:5 M:4	EXIT TICKET

Name:_____ **Date:**_____

Complete: ☐ **Class:**_____

1. Multiply. Do at least one problem using unit form and at least one problem using fraction form.

   a. 3.2 × 1.4 = _____

   b. 1.6 × 0.7 = _____

   c. 2.02 × 4.2 = _____

   d. 2.2 × 0.42 = _____

Lesson 19 G:5 M:4	EXIT TICKET

Name:_____ **Date:**_____

Complete: ☐ **Class:**_____

1. Convert. Express your answer as a mixed number, if possible.

   a. 5 in = _____ ft

   b. 13 in = _____ ft

   c. 9 oz = _____ lb

   d. 18 oz = _____ lb

Lesson 20 G:5 M:4	Conversions Return
	ZEARN STUDENT NOTES

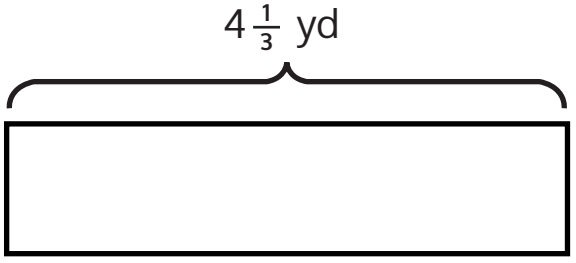
Name:_____ Date:_____

Complete: ☐ Class:_____

1

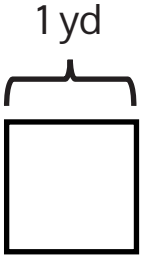
1 yd = 3 ft

$4\frac{1}{3}$ yd = $4\frac{1}{3}$ × 1 yd



= $4\frac{1}{3}$ × _____ ft

= _____ × _____ ft



= _____ ft

= _____ ft

EXTRA WORKSPACE

Lesson 20 G:5 M:4	EXIT TICKET

Name:_____ **Date:**_____

Complete: ☐ **Class:**_____

1. Convert. Express your answer as a mixed number.

a. $2\ \frac{1}{6}$ ft = _____ in

b. $3\ \frac{3}{4}$ ft = _____ yd

c. $2\ \frac{1}{2}$ c = _____ pt

d. $3\ \frac{2}{3}$ years = _____ months

Lesson 21 G:5 M:4	Multiply by One
	ZEARN STUDENT NOTES

Name:_____ Date:_____

Complete: ☐ Class:_____

1

$$\frac{1}{4} \times \_\_\_ = \_\_\_ = \_\_\_$$

EXTRA WORKSPACE

Lesson 21 G:5 M:4	EXIT TICKET

Name:_____ **Date:**_____

Complete: ☐ **Class:**_____

1. Fill in the blanks to make the equation true.

$\frac{9}{4} \times 1 = \frac{9}{4} \times$ _____ $= \frac{45}{20}$

2. Express the fractions as equivalent decimals.

   a. $\frac{3}{4} =$ _____

   b. $\frac{2}{5} =$ _____

   c. $\frac{3}{25} =$ _____

   d. $\frac{5}{20} =$ _____

Lesson 22 G:5 M:4	EXIT TICKET

Name:_____ **Date:**_____

Complete: ☐ **Class:**_____

1. Fill in the blanks to make the number sentences true. Explain how you know.

   a. $\frac{\quad}{3} \times 11 > 11$

   b. $5 \times \frac{\quad}{8} < 5$

   c. $6 \times \frac{2}{\quad} = 6$

Lesson 23 G:5 M:4	EXIT TICKET

Name:_____ **Date:**_____

Complete: ☐ **Class:**_____

1. Fill in the blank using one of the following scaling factors to make each number sentence true.

1.009	1.00	0.898

   a. $3.06 \times$ _____ < 3.06

   b. $5.2 \times$ _____ $= 5.2$

   c. _____ $\times 0.89 > 0.89$

2. Will the product of 22.65×0.999 be greater than or less than 22.65? Without calculating, explain how you know.

Lesson 24 G:5 M:4	Figuring Fractions and Decimals
	ZEARN STUDENT NOTES

Name:_____ **Date:**_____

Complete: ☐ **Class:**_____

1 There are $\frac{3}{4}$ as many cows as pigs on an animal farm.

If there are 35 pigs and cows on the farm, how many of them are pigs?

DRAW

SOLVE

2 A container holds 0.7 liters of oil and vinegar. $\frac{3}{4}$ of the mixture is vinegar.

How many liters of oil are in the container? Express your answer as both a fraction and a decimal.

DRAW

SOLVE

Lesson 24 G:5 M:4	EXIT TICKET

Name:_____ **Date:**_____

Complete: ☐ **Class:**_____

1. An artist builds a sculpture out of metal and wood that weighs 14.9 kilograms. $\frac{3}{4}$ of this weight is metal, and the rest is wood.

   How much does the wood part of the sculpture weigh?

2. On a boat tour, there are half as many children as there are adults. There are 30 people on the tour.

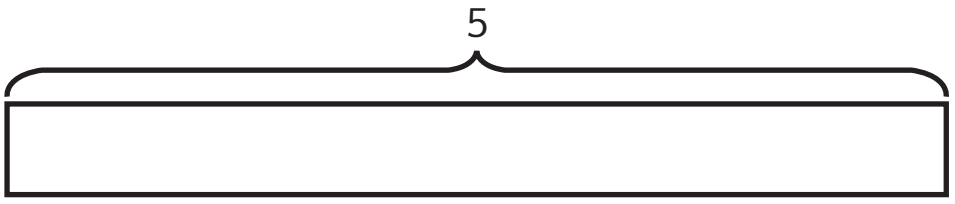
   How many children are there?

Lesson 25 G:5 M:4	Dividing Two Ways
	ZEARN STUDENT NOTES

Name:_____ Date:_____

Complete: ☐ Class:_____

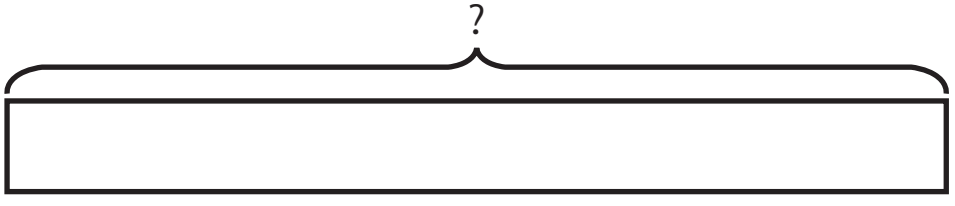
1



$5 \div \frac{1}{3} =$ _____

There are _____ thirds in 1 whole.

There are _____ thirds in 5 wholes.



$5 \div \frac{1}{3} =$ _____ × _____ = _____

If 5 is $\frac{1}{3}$, what is the whole? _____

EXTRA WORKSPACE

Lesson 25 G:5 M:4	EXIT TICKET

Name:_____ **Date:**_____

Complete: ☐ **Class:**_____

1. Draw a tape diagram and a number line to solve. Fill in the blanks that follow.

   a. $5 \div \frac{1}{2} =$ _____ There are _____ halves in 1 whole.

   There are _____ halves in 5 wholes.

   5 is $\frac{1}{2}$ of what number? _____

   b. $4 \div \frac{1}{4} =$ _____ There are _____ fourths in 1 whole.

   There are _____ fourths in _____ wholes.

   4 is $\frac{1}{4}$ of what number? _____

2. Ms. Leverenz is doing an art project with her class. She has a 3 foot piece of ribbon.

   If she gives each student an eighth of a foot of ribbon, will she have enough for her class of 22 students?

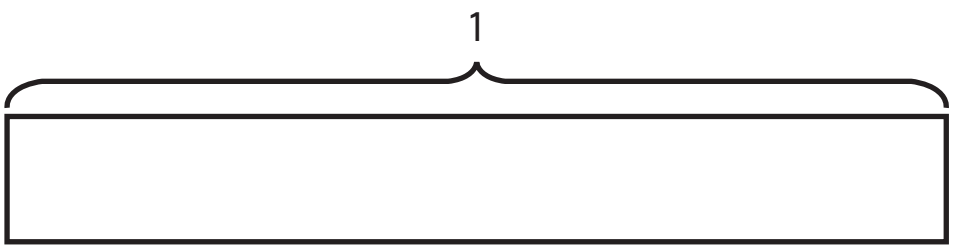
Lesson 26 G:5 M:4	Divide the Part
	ZEARN STUDENT NOTES

Name:_____ **Date:**_____

Complete: ☐ **Class:**_____

1 Jacob gives some bread to his 3 friends to share equally.

If he has $\frac{1}{2}$ loaf of bread, what fraction of a whole loaf will each friend receive?



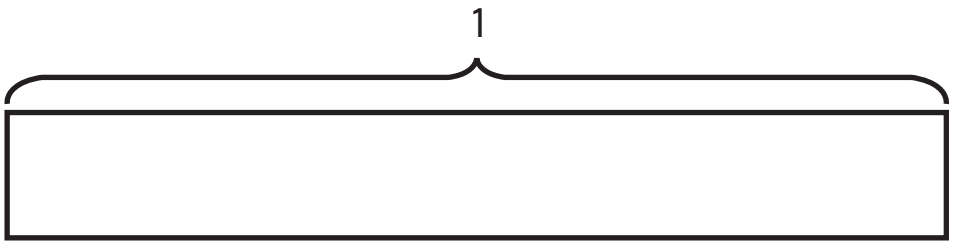
_____ ÷ _____ = _____

_____ ÷ _____ = _____

Each friend will receive _____ loaf of bread.

2 Hannah gives some bread to her 3 friends to share equally.

If she has $\frac{1}{3}$ loaf of bread, what fraction of a whole loaf will each friend receive?



_____ ÷ _____ = _____

_____ ÷ _____ = _____

Each friend will receive _____ loaf of bread.

EXTRA WORKSPACE

Lesson 26 G:5 M:4	EXIT TICKET

Name:_____ **Date:**_____

Complete: ☐ **Class:**_____

1. Solve. Support at least one of your answers with a model or tape diagram.

   a. $\frac{1}{2} \div 4 =$ _____

   b. $\frac{1}{8} \div 5 =$ _____

2. Larry spends half of his workday teaching piano lessons.

   If he sees 6 students, each for the same amount of time, what fraction of his workday is spent with each student?

Lesson 27 G:5 M:4	Partition Power
	ZEARN STUDENT NOTES

Name:_____ **Date:**_____

Complete: ☐ **Class:**_____

1 Mr. Brown has $\frac{1}{4}$ pan of lasagna left in the refrigerator. He wants to cut the lasagna into equal slices so he can have it for dinner for 3 nights.

What fraction of the whole lasagna will he eat each night?

DRAW

SOLVE

EXTRA WORKSPACE

Lesson 27 G:5 M:4	EXIT TICKET

Name:_____ **Date:**_____

Complete: ☐ **Class:**_____

1. Kevin divides 3 pieces of paper into fourths.

   How many fourths does he have? Draw a picture to support your response.

2. Sybil has $\frac{1}{2}$ of a pizza left over. She wants to share the pizza with 3 of her friends.

   What fraction of the original pizza will Sybil and her 3 friends each receive? Draw a picture to support your response.

Lesson 29 G:5 M:4	EXIT TICKET

Name:_____ **Date:**_____

Complete: ☐ **Class:**_____

1. 8.3 is equal to _____ tenths

   _____ hundredths

2. 28 is equal to _____ hundredths

   _____ tenths

3. 15.09 ÷ 0.01 = _____

4. 267.4 ÷ $\frac{1}{10}$ = _____

5. 632.98 ÷ $\frac{1}{100}$ = _____

Lesson 30 G:5 M:4	Decimals Dividing Decimals
	ZEARN STUDENT NOTES

Name:_____ Date:_____

Complete: ☐ Class:_____

1

$1.6 \div 0.04 =$ _____

$=$ _____ $\times$ _____

$=$ _____

$=$ _____

2

$1.68 \div 0.04 =$ _____

$=$ _____ $\times$ _____

$=$ _____

$=$ _____

EXTRA WORKSPACE

EXTRA WORKSPACE

Lesson 30 G:5 M:4	EXIT TICKET

Name:_____ **Date:**_____

Complete: ☐ **Class:**_____

1. Rewrite the division expression as a fraction and divide.

   a. $3.2 \div 0.8 =$ _____

   b. $3.2 \div 0.08 =$ _____

   c. $7.2 \div 0.9 =$ _____

   d. $0.72 \div 0.09 =$ _____

Lesson 31 G:5 M:4	Decimal Division Deluxe
	ZEARN STUDENT NOTES

Name:_____ Date:_____

Complete: ☐ Class:_____

1

SHOW YOUR WORK

21.56 ÷ 0.98 = _____

= _____ x _____

= _____ ≈ _____ ÷ _____ = _____

= _____

EXTRA WORKSPACE

Lesson 31 G:5 M:4	EXIT TICKET

Name:_____ **Date:**_____

Complete: ☐ **Class:**_____

Estimate first, and then solve using the standard algorithm. Show how you rename the divisor as a whole number.

1. 6.39 ÷ 0.09

2. 82.14 ÷ 0.6

Lesson 32 G:5 M:4	EXIT TICKET

Name:_____ **Date:**_____

Complete: ☐ **Class:**_____

1. Write an equivalent expression in numerical form.

   A fourth as much as the product of two-thirds and 0.8

2. Write an equivalent expression in word form.

   a. $\frac{3}{8} \times (1 - \frac{1}{3})$

   b. $(1 - \frac{1}{3}) \div 2$

3. Compare the expressions in 2a and 2b. Without evaluating, determine which expression is greater, and explain how you know.

Lesson 33 G:5 M:4	Draw the Division
	ZEARN STUDENT NOTES

Name:_____ Date:_____

Complete: ☐ Class:_____

1 Carlo buys $14.40 worth of grapefruit. Each grapefruit costs $0.80.

How many grapefruits does Carlo buy?

SOLVE

2

Matthew has 3.5 pounds of clay to make ceramic objects. He needs $\frac{1}{2}$ of a pound of clay to make one bowl.

A. How many bowls can Matthew make with his clay?

B. Matthew can make two mugs with the same amount of clay he uses to make one ceramic bowl. How much clay does he need to make one mug?

C. How many mugs can he make with all of his clay?

DRAW

SOLVE

Lesson 33 G:5 M:4	EXIT TICKET

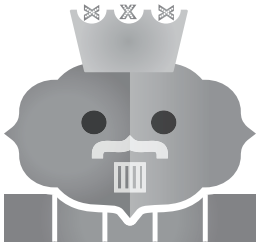
Name:_____ **Date:**_____

Complete: ☐ **Class:**_____

1. An entire commercial break is 3.6 minutes.

   a. If each commercial takes 0.6 minutes, how many commercials will be played?

   b. A different commercial break of the same length plays commercials half as long. How many commercials will play during this break?



Congratulations!

You completed

Grade 5 Mission 4

Multiply and Divide Fractions and Decimals

Name

Date

Zearned it!