

# Eureka Math Exit Ticket Packet 1 Topics A–B

## Grade 6 Module 1

### Topic A

Lesson 1 Exit Ticket	Qty: 30
Lesson 2 Exit Ticket	Qty: 30
Lesson 3 Exit Ticket	Qty: 30
Lesson 4 Exit Ticket	Qty: 30
Lesson 5 Exit Ticket	Qty: 30
Lesson 6 Exit Ticket	Qty: 30
Lesson 7 Exit Ticket	Qty: 30
Lesson 8 Exit Ticket	Qty: 30

### Topic B

Lesson 9 Exit Ticket	Qty: 30
Lesson 10 Exit Ticket	Qty: 30
Lesson 11 Exit Ticket	Qty: 30
Lesson 12 Exit Ticket	Qty: 30
Lesson 13 Exit Ticket	Qty: 30
Lesson 14 Exit Ticket	Qty: 30
Lesson 15 Exit Ticket	Qty: 30

### Published by the non-profit Great Minds

Copyright © 2015 Great Minds. No part of this work may be reproduced, sold, or commercialized, in whole or in part, without written permission from Great Minds. Non-commercial use is licensed pursuant to a Creative Commons Attribution-NonCommercial-ShareAlike 4.0 license; for more information, go to <http://greatminds.net/maps/math/copyright>. “Great Minds” and “Eureka Math” are registered trademarks of Great Minds.

Printed in the U.S.A.

This book may be purchased from the publisher at [eureka-math.org](http://eureka-math.org)

10 9 8 7 6 5 4 3 2

ISBN 978-1-63255-503-8



9 781632 555038

Name \_\_\_\_\_

Date \_\_\_\_\_

## Lesson 1: Ratios

### Exit Ticket

1. Write a ratio for the following description: Kaleel made three times as many baskets as John during basketball practice.
2. Describe a situation that could be modeled with the ratio 4: 1.
3. Write a ratio for the following description: For every 6 cups of flour in a bread recipe, there are 2 cups of milk.

Name \_\_\_\_\_

Date \_\_\_\_\_

## Lesson 2: Ratios

### Exit Ticket

Give two different ratios with a description of the ratio relationship using the following information:

There are 15 male teachers in the school. There are 35 female teachers in the school.

Name \_\_\_\_\_

Date \_\_\_\_\_

## Lesson 3: Equivalent Ratios

### Exit Ticket

Pam and her brother both open savings accounts. Each begin with a balance of zero dollars. For every two dollars that Pam saves in her account, her brother saves five dollars in his account.

1. Determine a ratio to describe the money in Pam's account to the money in her brother's account.
2. If Pam has 40 dollars in her account, how much money does her brother have in his account? Use a tape diagram to support your answer.
3. Record the equivalent ratio.
4. Create another possible ratio that describes the relationship between the amount of money in Pam's account and the amount of money in her brother's account.

Name \_\_\_\_\_

Date \_\_\_\_\_

## Lesson 4: Equivalent Ratios

### Exit Ticket

There are 35 boys in the sixth grade. The number of girls in the sixth grade is 42. Lonnie says that means the ratio of the number of boys in the sixth grade to the number of girls in the sixth grade is 5: 7. Is Lonnie correct? Show why or why not.

Name \_\_\_\_\_

Date \_\_\_\_\_

## Lesson 5: Solving Problems by Finding Equivalent Ratios

### Exit Ticket

When Carla looked out at the school parking lot, she noticed that for every 2 minivans, there were 5 other types of vehicles. If there are 161 vehicles in the parking lot, how many of them are not minivans?

Name \_\_\_\_\_

Date \_\_\_\_\_

## Lesson 6: Solving Problems by Finding Equivalent Ratios

### Exit Ticket

Students surveyed boys and girls separately to determine which sport was enjoyed the most. After completing the boy survey, it was determined that for every 3 boys who enjoyed soccer, 5 boys enjoyed basketball. The girl survey had a ratio of the number of girls who enjoyed soccer to the number of girls who enjoyed basketball of 7: 1. If the same number of boys and girls were surveyed, and 90 boys enjoy soccer, how many girls enjoy each sport?

Name \_\_\_\_\_

Date \_\_\_\_\_

## Lesson 7: Associated Ratios and the Value of a Ratio

### Exit Ticket

Alyssa's extended family is staying at the lake house this weekend for a family reunion. She is in charge of making homemade pancakes for the entire group. The pancake mix requires 2 cups of flour for every 10 pancakes.

1. Write a ratio to show the relationship between the number of cups of flour and the number of pancakes made.
  
  
  
  
  
  
  
  
  
  
2. Determine the value of the ratio.
  
  
  
  
  
  
  
  
  
  
3. Use the value of the ratio to fill in the following two multiplicative comparison statements.
  - a. The number of pancakes made is \_\_\_\_\_ times the amount of cups of flour needed.
  
  
  
  
  
  
  - b. The amount of cups of flour needed is \_\_\_\_\_ of the number of pancakes made.
  
  
  
  
  
  
  
4. If Alyssa has to make 70 pancakes, how many cups of flour will she have to use?



Name \_\_\_\_\_

Date \_\_\_\_\_

## Lesson 8: Equivalent Ratios Defined Through the Value of a Ratio

### Exit Ticket

You created a new playlist, and 100 of your friends listened to it and shared if they liked the new playlist or not. Nadhii said the ratio of the number of people who liked the playlist to the number of people who did not like the playlist is 75: 25. Dylan said that for every three people who liked the playlist, one person did not.

Do Nadhii and Dylan agree? Prove your answer using the values of the ratios.

Name \_\_\_\_\_

Date \_\_\_\_\_

## Lesson 9: Tables of Equivalent Ratios

### Exit Ticket

A father and his young toddler are walking along the sidewalk. For every 3 steps the father takes, the son takes 5 steps just to keep up. What is the ratio of the number of steps the father takes to the number of steps the son takes? Add labels to the columns of the table, and place the ratio into the first row of data. Add equivalent ratios to build a ratio table.



What can you say about the values of the ratios in the table?

Name \_\_\_\_\_

Date \_\_\_\_\_

## Lesson 10: The Structure of Ratio Tables—Additive and Multiplicative

### Exit Ticket

Show more than one way you could use the structure of the table to find the unknown value. Fill in the unknown values.

Number of Weeks	Amount of Money in Account
2	\$350
4	\$700
6	\$1,050
8	
10	

Name \_\_\_\_\_

Date \_\_\_\_\_

## Lesson 11: Comparing Ratios Using Ratio Tables

### Exit Ticket

Beekeepers sometimes supplement the diet of honey bees with sugar water to help promote colony growth in the spring and help the bees survive through fall and winter months. The tables below show the amount of water and the amount of sugar used in the Spring and in the Fall.

Spring Sugar Water Mixture	
Sugar (cups)	Water (cups)
6	4
15	10
18	12
27	18

Fall Sugar Water Mixture	
Sugar (cups)	Water (cups)
4	2
10	5
14	7
30	15

Write a sentence that compares the ratios of the number of cups of sugar to the number of cups of water in each table.

Explain how you determined your answer.

Name \_\_\_\_\_

Date \_\_\_\_\_

## Lesson 12: From Ratio Tables to Double Number Line Diagrams

### Exit Ticket

Kyra is participating in a fundraiser walk-a-thon. She walks 2 miles in 30 minutes. If she continues to walk at the same rate, determine how many minutes it will take her to walk 7 miles. Use a double number line diagram to support your answer.

Name \_\_\_\_\_

Date \_\_\_\_\_

## Lesson 13: From Ratio Tables to Equations Using the Value of a Ratio

### Exit Ticket

A carpenter uses four nails to install each shelf. Complete the table to represent the relationship between the number of nails ( $N$ ) and the number of shelves ( $S$ ). Write the ratio that describes the number of nails per number of shelves. Write as many different equations as you can that describe the relationship between the two quantities.

Shelves ( $S$ )	Nails ( $N$ )
1	4
2	
	12
	16
5	

Name \_\_\_\_\_

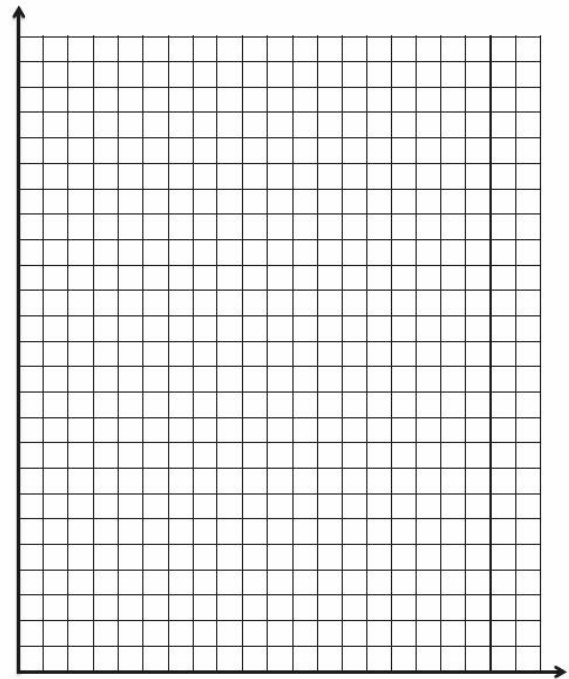
Date \_\_\_\_\_

## Lesson 14: From Ratio Tables, Equations, and Double Number Line Diagrams to Plots on the Coordinate Plane

### Exit Ticket

Dominic works on the weekends and on vacations from school mowing lawns in his neighborhood. For every lawn he mows, he charges \$12. Complete the table. Then determine ordered pairs, and create a labeled graph.

Lawns	Charge (in dollars)	Ordered Pairs
2		
4		
6		
8		
10		



- How many lawns will Dominic need to mow in order to make \$240?
- How much money will Dominic make if he mows 9 lawns?

Name \_\_\_\_\_

Date \_\_\_\_\_

## Lesson 15: A Synthesis of Representations of Equivalent Ratio Collections

### Exit Ticket

Jen and Nikki are making bracelets to sell at the local market. They determined that each bracelet would have eight beads and two charms.

Complete the table below to show the ratio of the number of charms to the number of beads.

<b>Charms</b>	2	4	6	8	10
<b>Beads</b>	8				

Create ordered pairs from the table, and plot the pairs on the graph below. Label the axes of the graph, and provide a title.

