NAME:	Math	, Period
Mr. Rogove		Date:

LEARNING OBJECTIVE: We will look at constant rates using two variables and graph points related to constant rate problems. (G8M4L10)

CONCEPT DEVELOPMENT:

When we express a constant rate as a relationship between two variables, we can create **tables** to show the relationship and **graph** this relationship on a coordinate plane.

Example: Pauline mows a lawn at a constant rate. Suppose she mows 35 square feet in 2.5 minutes. How many square feet can she mow in *x* minutes?



(in minutes)

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Mr. Rogove

Math ,	Period
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Date:

GUIDED PRACTICE:

Steps for Expressing Rates as Equations, Tables and in Graphs

1. Begin by creating a linear equation using 2 variables that includes the rate.

2. Create a table and fill in the values.

3. Label and create a graph based on the table of values.

Water leaks out of a faucet at a constant rate. In 4 minutes, 35 milliliters of water dripped out. How many milliliters of water leak out in x minutes?

> 68 64 60

Linear Equation (in two variables)







G8M4L10: Constant Rates, Tables, and Graphs





NAME:			Math	, Period
Mr. Rogove				Date:
Rachel love days. How	s to read. She loves r many books can she	reading so much read in <i>x</i> days?	that she reads	4 books every 15
Linear Equ	ation (in two varia	bles)		
Table of Va	Linear Equation	Books read		
days)				
10				
20				
30				
40				
y 1				
-8				
-6 -				
-5 -				
-1+				
3 9	3 6 9 12	15 18 21 20	27 30 33	36 39 42 x 4
-2				

Math ______, Period _____

Mr. Rogove

Date:_____

INDEPENDENT PRACTICE:

ACTIVATING PRIOR KNOWLEDGE:

CLOSURE:

TEACHER NOTES:

Lesson 11 from ENY Module 4, Grade 8. Can also give the Yummy Math light bulbs activity as independent practice. Homework is Lesson 11 problem set.