

Name: \_\_\_\_\_

Ms. Napolitano

Date: \_\_\_\_\_

Activity: 5.3

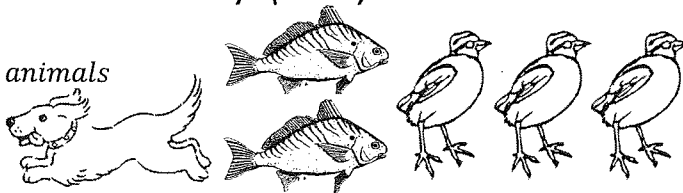
## Homework (Day3)

The following test covers 6<sup>th</sup> grade common core standards. Do your best to show all of the things that you have learned. Show all work and copy your answer in the answer blanks on the right.

Write each ratio in three different ways. (6.RP.1)

1. Fish to birds

2. Birds to total animals



1. \_\_\_\_\_

2. \_\_\_\_\_

Find the missing values in the ratio table.

Then, write the ratio in the blank. (6.RP.3a)

3.

Pencils	3	15	
Erasers	1		12

4.

Dogs	10	5	
Cats	4		14

3. \_\_\_\_\_

4. \_\_\_\_\_

Find the unit rate for each situation. (6.RP.3b)

5. 350 words in 5 minutes

6. 200 meters in 40 seconds

5. \_\_\_\_\_

6. \_\_\_\_\_

Solve (6.RP.2, 6.RP.3b)

7. Three movie tickets cost \$19.50. How much will it cost for 5 movie tickets?

7. \_\_\_\_\_

8. There are 77 students in the 6th grade band. The ratio of girls to boys is 7:4. How many girls are in the 6th grade band?

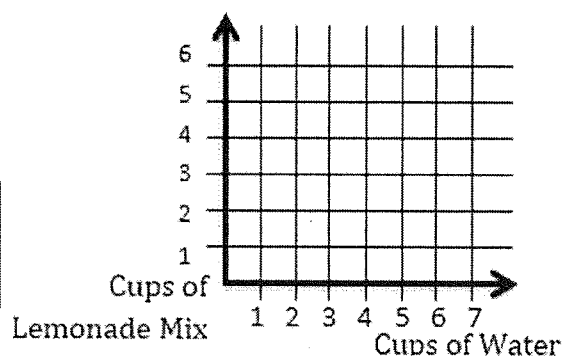
8. \_\_\_\_\_

9. You can buy a 6 rolls of toilet paper for \$6.97 or a 12 pack for \$9.24. Which is the better buy?

9. \_\_\_\_\_

10. Complete the table and plot the first 3 ratios from the table on the coordinate plane provided. (6.RP.1)

Cups of Water	2	4	6			
Cups of Lemonade Mix	1	2	3			



# Problem Solving Using a Table or a Double Number Line

## Solve Using a Table

Cereal costs \$5 for 3 boxes. How many boxes of cereal could you buy for \$30?

## Solve Using a Double Number Line

Bagels cost \$9 for a dozen. How much would it cost for 4 dozen?

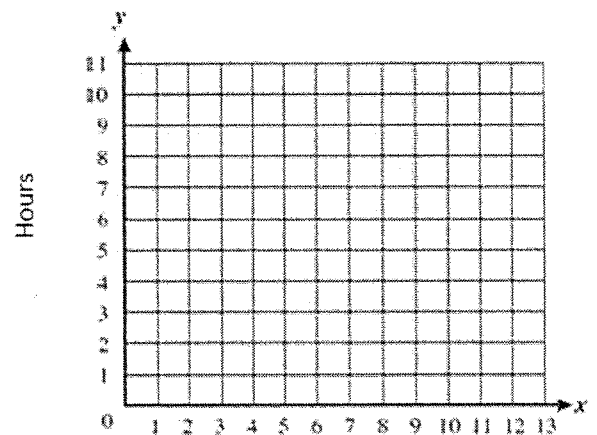
## Challenge Questions: Graphing Rates Using a Table

George mows 3 lawns in 2 hours.

x	Lawns	3	6	9
y	Hours	2	4	6

Diagram showing the relationship between lawns mowed and hours taken:

- From 3 to 6 lawns, the time increases by 2 hours (2 to 4).
- From 6 to 9 lawns, the time increases by 2 hours (4 to 6).
- From 3 to 6 hours, the number of lawns increases by 3 (3 to 6).
- From 6 to 9 hours, the number of lawns increases by 3 (6 to 9).



## Challenge Question: Graphing Rates Using a Table

Fill in the table, create a title, label the axis, and graph.

Bianca makes 5 bracelets in 3 hours

x	Bracelets			
y	Hours			

