

MATH SNACKS

Ratey the Math Cat Learner Guide



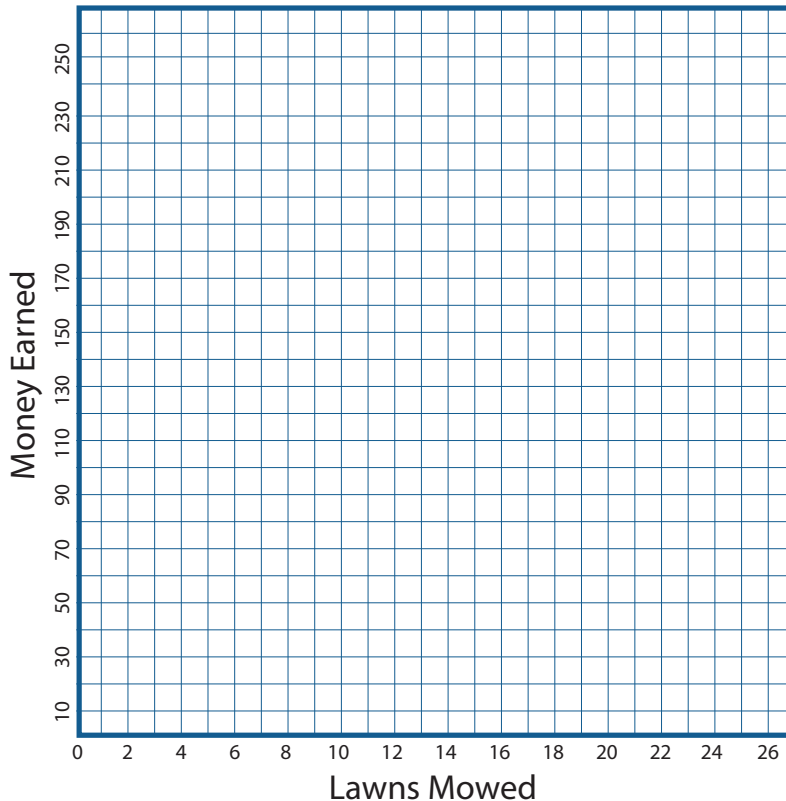
Watch the animation, *Ratey the Math Cat* and complete these activities. The animation and an instructor guide are available on iTunes U (search "Math Snacks") and at mathsnacks.org



1. In the *Ratey the Cat* animation, there is a guy who earns \$10 *PER* lawn. Complete the table below that represents money earned *PER* lawn.

Lawns Mowed	Money Earned
1	
2	
3	
5	
10	
	250

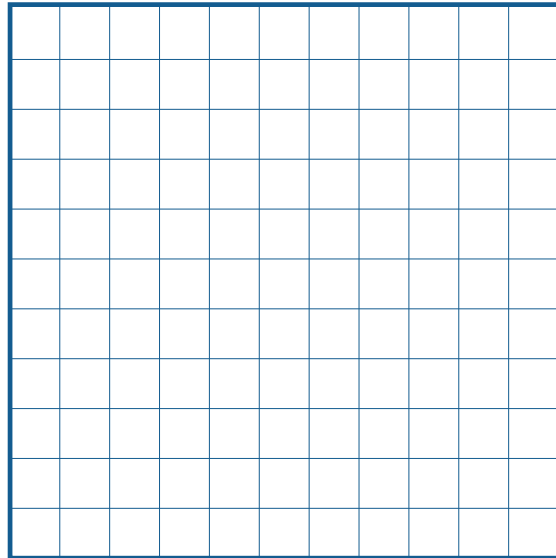
A. Plot the data from question 1 on the grid below.



2. List five different rates, from your life, using the word *PER*, such as “2 hours of video games *PER* day.”

1.	
2.	
3.	
4.	
5.	

A. Using one of the rates you listed in question 2, fill out a table and complete a graph that represents your rate. Make sure to label the table and the graph appropriately and that the scale on your x and y axis allows you to plot all of your points.



Nutrition Facts Serving Size 4 oz. (113g). Serving Per Container 4

Amount Per Serving

Calories 280	Calories from Fat 130
	% Daily Value*
Total Fat 14g	22%
Saturated Fat 3.5g	18%
Trans Fat 2.5g	
Cholesterol 120 mg	40%
Sodium 640mg	27%
Total Carbohydrate 13g	4%
Dietary Fiber 1g	4%
Sugars 0g	
Protein 24g	
Calories per gram	
Fat 9 • Carbohydrate 4 • Protein 4	

3. Questions about nutritional information.

A. How many servings are there <i>PER</i> container?	
B. The label says there are 280 calories <i>PER</i> serving. How many calories are there <i>PER</i> container?	
C. If this container of food was divided equally among 8 people:	
1. How many grams of fat <i>PER</i> person are there?	
2. How many grams of protein <i>PER</i> person are there?	

Bonus: How many protein calories are there *PER* serving?

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