

MATH SNACKS

Ratey the Math Cat Answer Key



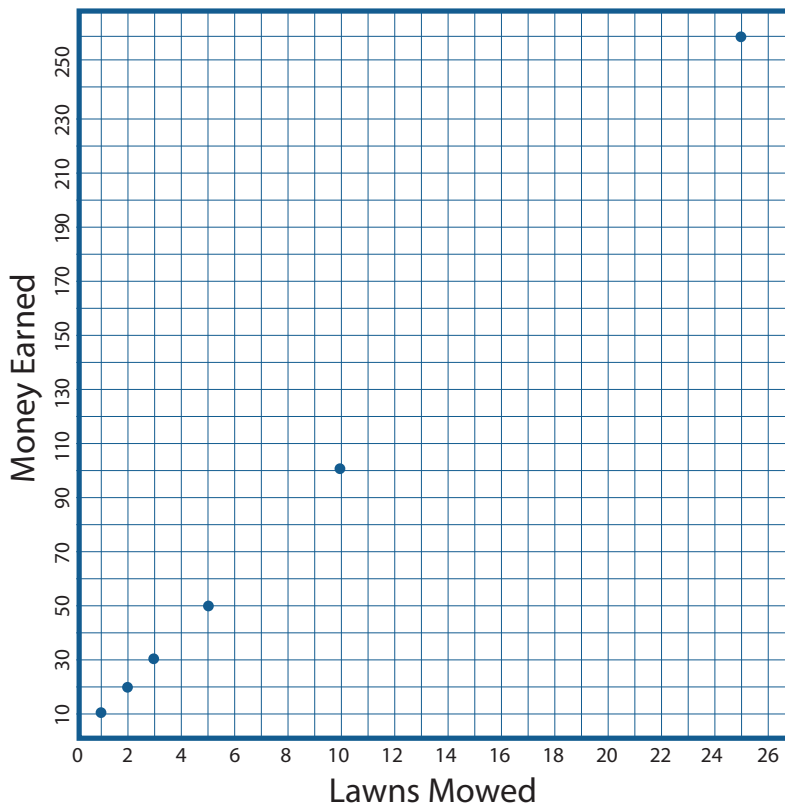
Watch the animation, *Ratey the Math Cat* and complete these activities. The animation and an instructor guide are available on iTunes U (search "Math Snacks") and at mathsnacks.org



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	10
2	20
3	30
5	50
10	100
25	250

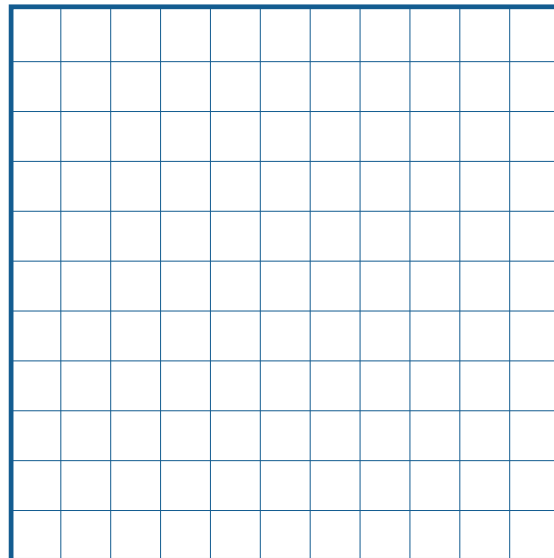
A. Plot the data from question 1 on the grid below.



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

ANSWER: will vary. Make sure students label the table and graph appropriately.

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.



3. Questions about nutritional information.

Note: Please stress the importance of labeling the units for all problems.

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 4%

Carbohydrate 13g

Dietary Fiber 1g 4%

Sugars 0g

Protein 24g

Calories per gram

Fat 9 • Carbohydrate 4 • Protein 4

A. How many servings are there *PER* container?

ANSWER: 4 servings

B. The label says there are 280 calories *PER* serving. How many calories are there *PER* container?

ANSWER: 1120 calories

C. If this container of food was divided equally among 8 people:

1. How many grams of fat *PER* person are there?

*ANSWER: (14g)(4 servings)=56 grams per package.
56/8=7 grams per person.*

2. How many grams of protein *PER* person are there?

*ANSWER: (24)(4)=96 grams per package.
96/8=12 grams per person*

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

ANSWER: 96 calories. 24 protein grams x 4 calories per gram. 24 x 4=96 calories