

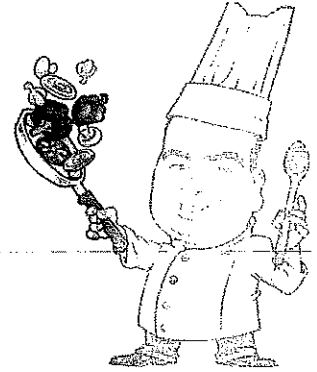
Name: \_\_\_\_\_  
Ms. Napolitano

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

Topic: Operations with fractions, decimals, and whole numbers.  
CCSS: 6.NS.1

## PROJECT #2

You are a chef and you are opening your own restaurant.  
Please read the following directions below and answer all of  
the following questions.



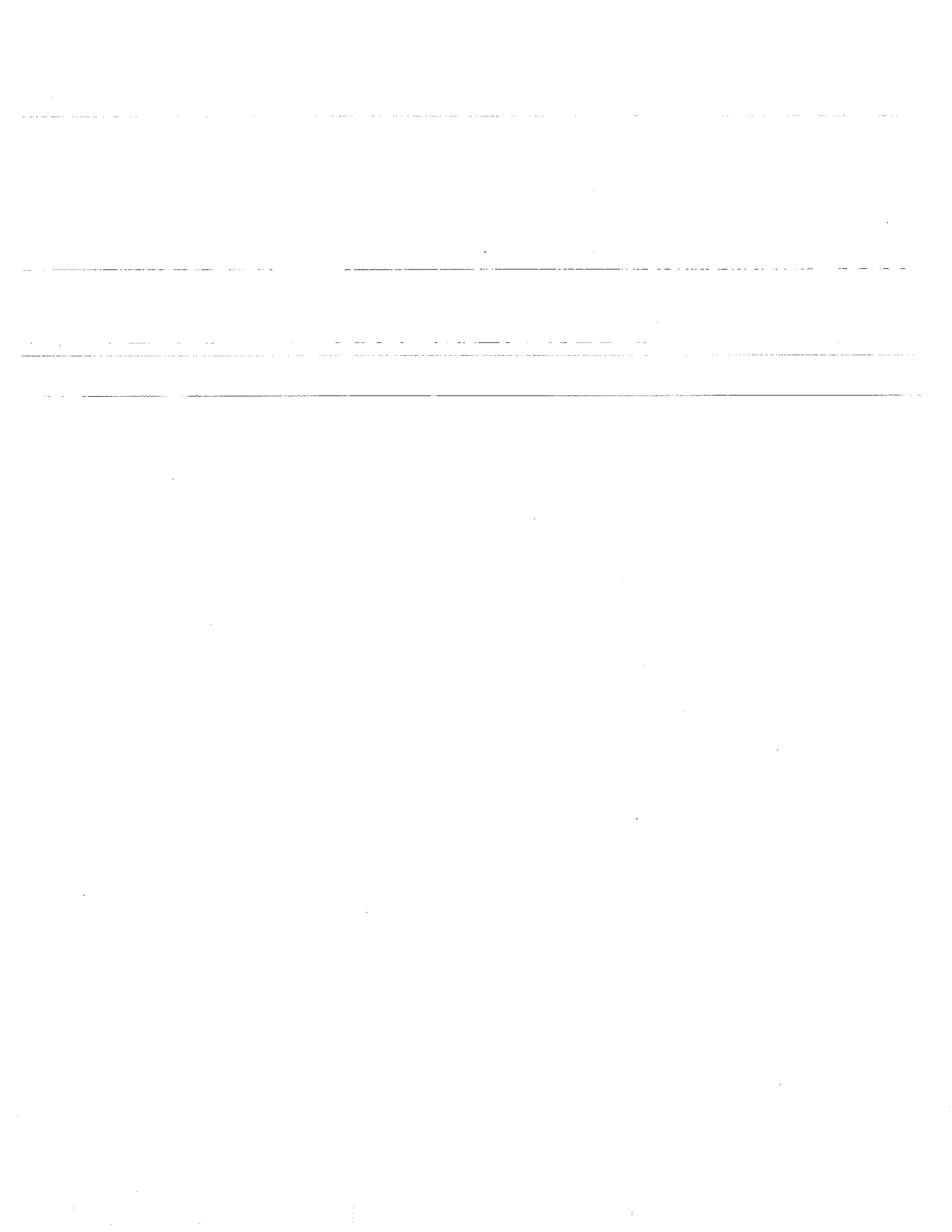
### Part I

Below is a check list, as you complete your work, please check it off!

Check it off!	Assignments
	<p>a) Write a two to three paragraph bibliography about yourself and your upcoming restaurant. Describe the type of restaurant you will be opening. Describe the location of your restaurant and what type of food you will be serving. Also include what people would expect if they came to your restaurant.</p> <p><b>Your biography must be typed up in 14 font, doubled spaced using any type of font. Please include a picture of yourself! You may use fancy templates. The more creative you are, the better you will do!</b></p>
	<p>b) You will create your own <i>menu</i> for your restaurant. Include the following</p> <ul style="list-style-type: none"><li>• The name of your restaurant.</li><li>• List at least ten items that you will serve in your restaurant.</li><li>• Include the prices for each of the items.</li><li>• At least 4 pictures.</li></ul> <p><b>Your menu must be typed! The size of the font must be 14! Please be creative!</b></p>

### Part II

1. Answer the following questions on Margo the chef!
2. Please be neat and use a pencil!



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**PROJECT #2**

**Part II**

Margo just rented a space in Downtown Brooklyn for his upcoming restaurant. However, it still needs a few repairs before he can open his restaurant. Please read each question below and use your knowledge on operations of fractions, decimals, and whole numbers to answer the following questions!

1. Margo needs to repair the wall in the kitchen of his restaurant. He goes to home depot to purchase sheetrock for the wall. When he gets there he notices that the smallest piece of sheetrock is  $5\frac{1}{4}$  feet; however, the measurement for the sheetrock in Margo's restaurant must be exactly  $3\frac{1}{2}$  feet. If Margo cuts the piece of sheetrock at home depot, how much sheetrock will be left over after cutting the piece he needs?

**Show your work below:**

**Answer:**

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2. Margo goes to the nails and bolts section of Home Depot. He realizes that he needs 120 nails, but they come in packs of 30 for a cost of \$5.99. How much money will Margo be spending on 120 nails? How did you determine your answer?

**Show your work below.**

**Answer:**

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b. If Margo has a \$50 bill when he pays for the nails, how much change will he be getting back?

**Show your work below.**

**Answer:**

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3. After Margo puts up the sheetrock, he realizes he needs to repaint his restaurant; he goes to Benjamin Moore and chooses a nice mint green. He needs  $2\frac{1}{2}$  gallons of paint to get the job done! If each gallon of paint costs,  $\$11\frac{3}{4}$ . How much will Margo spend on  $2\frac{1}{2}$  gallons of paint?

**Show your work below.**

**Answer:**

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- b. If Margo pays with a \$100 bill, how much change will he get back? How did you determine your answer?

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4. It is opening day at Margo's restaurant and a party of 15 comes to eat. Their bill comes out to \$1325 including tax and tip. If they are splitting the bill evenly among the 15 of them, how much did each person pay? Justify your answer.

**Show your work below.**

**Answer:**

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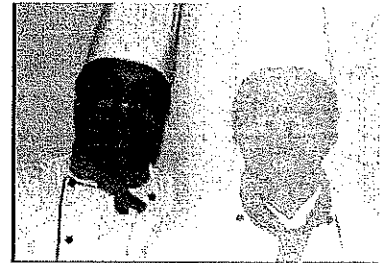
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5. In the kitchen, Margo hears arguing. When he comes into the kitchen Chef Peters and Chef Williams are arguing over how many fourth cups of flour there is in  $6\frac{3}{8}$  cups of flour.

**Chef Williams** says there are exactly 24 fourth cups of flour in  $6\frac{3}{8}$  cups of flour.

**Chef Peters** says there are  $25\frac{1}{2}$  fourth cups of flour in  $6\frac{3}{8}$  cups of flour. After reviewing the chefs' answers, which chef is correct? Justify your answer.



**Show your work below.**

**Answer:**

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6. Opening night of Margo's restaurant has come to an end. He wants to know what his profit was for opening night. If Margo spends \$10,982.65 on repairs, \$4,500.00 on rent, and paid his staff a total of \$7,128.00. Altogether how much money did he spend on repairs, rent, and paying his staff? If he earned \$29,874.42 on opening night, how much profit did he make? How did you determine your answer?



**Show your work below.**

**Answer:**

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