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

***Percent Task Directions***

**Task:** Today you will be calculating the total cost of your imaginary birthday dinner and writing about the process. You will select items from a menu, calculate the subtotal, discount, discount price, tax, and tip before ultimately determining the total cost.

**Step 1**: Choose a menu: Search online for a menu or use a take-out menu you have at home.

**Step 2**: Select 10 DIFFERENT entrees (dinners) from the menu: You must select 10 items from the menu of your choice, without repeating an item. Record the name of the entree, as well as the price on the attached sheet.

**Step 3**: Calculate the subtotal of the items: $\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 In order to find the subtotal you must \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ all of the items up.

**Step 4**: Calculate the discount: Because it’s your birthday dinner, the restaurant you chose gave you a coupon for 1/20 off the entire meal cost.

 A coupon is another word for a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

**Step 5**: Calculate the discount price: (This is how much you pay after they apply the discount.) $ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 So, you need to \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ the discount from the original price.

**Step 6**: Calculate the tip: (Your waitress did an excellent job so you decided to leave her an 18% tip.) $ \_\_\_\_\_\_\_\_\_\_\_\_\_\_

 The tip will \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_the total cost you pay.

**Step 7**: Calculate the grand total: This is when you figure out exactly how much your birthday dinner cost. Don’t forget your bill will include the meal costs and a .07 tax rate. The tax: $ \_\_\_\_\_\_\_\_\_\_\_\_\_\_

 So, you must \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ the discount price, then \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_the tax and tip to calculate the grand total cost of the party.

**Step 8**: Finally, on a separate piece of paper, explain how you arrived at your grand total. You are required to use important vocabulary to describe the process that you went through. You may find it useful to follow this directions sheet to help narrate the progression you made throughout the project.

 Include:

-when you multiplied, added or subtracted - label what you found by doing so (discount, discount price, tip, tax, grand total etc.)

-your work - what was being multiplied, added or subtracted (tax rate, discount rate, tip rate, subtotal, sale price etc.)

-any and all times you had to round your answer to make it a dollar amount (to the nearest hundredth of a cent; for example: 4.56781 rounds to $4.57)

***NOTE: While you may use a calculator to check your work, you must show all work (including subtraction, regrouping, multiplication, etc.) in order to receive full credit on this project. These may be calculator inactive problems at the end of the year and you need to understand the process.***

My name is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

My Birthday is\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

and my dinner party was at\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

My guests ordered the following items:

ITEM PRICE

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

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

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

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

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

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

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

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

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

10.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Step 3: The subtotal for all of the items ordered was $ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

Step 4: I had a coupon for 1/5 off the cost of the meal, so the discount was \_\_\_\_\_\_\_%

Step 5: the discount equaled $ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

Step 6: I also left the waitress an 18% tip on the bill, which came out to $ \_\_\_\_\_\_\_\_\_\_\_\_\_\_. I didn’t pay tax on the tip.

Step 7: I then had 7/100 or \_\_\_\_\_\_\_\_% which equaled $ \_\_\_\_\_\_\_\_\_\_\_\_\_\_in taxes added to the bill.

The grand total for my birthday party was $\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.