**Artifact: From Tracey Uhrich at RCHS for outcome WA10.1 (Workplace and Apprenticeship Math 10)**

**Artifact Description: Students need to gather data from grocery store and make decisions on best to purchase. They must work together to put their findings into a PowerPoint to share with their peers.**

**1.2-1.4 Grocery Trip Assignment**

***Please read through this document before you go to the grocery store so you are prepared for what needs to be done. You will visit the grocery store to determine the unit rates for several different items. You will then use your data to make some decisions regarding what is the best purchase and why. Please use your phone(s) to take pictures of the item and the price tag of that item so you have that to reference once we are back in the classroom. You may also use these pictures in your PowerPoint presentation. Write down as much information about the products on this worksheet. You will be given a new worksheet to complete your good copy on. You will create a presentation for your classmates on the information and calculations below. Refer to the rubric included to help guide your presentation. Be creative!***

1. Find two different brands of three similar items and calculate the unit rate for each item (price per kg, or mL, or L). For each item, which brand would you suggest to buy?

|  |  |  |  |
| --- | --- | --- | --- |
|  | Chips | Soup | Sandwich Meat |
| Brand 1 name and unit rate |  |  |  |
| Brand 2 name and unit rate |  |  |  |

1. Find three items “On Sale” and figure out what **percentage** it has been reduced by.

**\*\*Remember to find the percentage markdown you must find the difference between the sale price and original and then divide by the original\*\***

Original Price 1: Original Price 2:

Sale Price 1: Sale Price 2:

Difference: Difference:

Percentage Markdown: Percentage Markdown:

Original Price 3:

Sale Price 3:

Difference:

Percentage Markdown:

1. When you shop at CO-OP they tell you how much you have saved for each shopping trip. If you paid $155.75 and they tell you that you have saved $30.58, what percentage did you save that trip?
2. Locate the fruit section. Is it a better deal to buy apples in a 3 pound bag, or pick out your own apples and pay the advertised price per pound?
3. Find the price for a pre-packaged bag of white onions. How many onions are in the pre-packaged bag? Approximately how much are you paying for one onion?
4. Find the granola bar aisle. Choose whichever brand and size of box you would like. How much are you paying per granola bar? Be sure to write down the price and size of box you are using.
5. Find the Yogurt aisle. There is an unadvertised promotion on Astro 16 packs of yogurt. You can buy 2 pack and get the third for 50% off. What is your discount rate, as **a percentage**?
6. Find the dairy section.
	1. What is the most expensive type of egg in the grocery store? (How much per egg?)
	2. What is the least expensive egg in the grocery store? (How much per egg?)
	3. If you were baking cupcakes for a huge event and you knew you needed 100 eggs, what is the least amount of money you could spend on eggs?
7. You are having your cousin over for supper. She has a gluten allergy and you want to have hamburgers for supper. What is the ***unit rate*** for gluten free buns? How much difference is there between gluten free buns and regular buns?
8. Find **three** items with coupons. Calculate the ***percent savings*** from the coupon.

Item 1& Price: Item 2 & Price:

Coupon Amount: Coupon Amount:

Percentage Savings: Percentage Savings:

Item 3 & Price:

Coupon Amount:

Percentage Savings:

1. You are going to make 12 dozen muffins for a class project. There are pre-packaged muffin mixes in the baking isle. How many brands are there to choose from? What is the ***unit rate per muffin*** for each brand? Which would you choose to purchase and why?
2. You go to the grocery store with $23.00 in your wallet and no debit card. Can you get the following items on your list? Explain?

*Milk, cereal, apples, bread, 4 chicken breasts, long grain rice, cream corn*.

Grading Rubric for Power Point Grocery Trip

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | 5 | 4 | 3 | 2 | 1 |
| **Content** | Content is accurate and all required information is presented in a logical order. | Content is accurate but some required information is missing and/or not presented in a logical order, but is still generally easy to follow. | Content is accurate but some required information is missing and/or not presented in a logical order, making it difficult to follow. | Content is questionable. Information is not presented in a logical order, making it difficult to follow. | Content is inaccurate. Information is not presented in a logical order, making it difficult to follow. |
| **Slide Creation** | Presentation flows well and logically. Presentation reflects extensive use of tools in a creative way.Each member’s information is represented in slides and identified with their name. | Presentation flows well. Tools are used correctlyEach member’s information is represented in slides and identified with their name. Overall presentation is interesting. | Presentation flows well. Some tools are used to show acceptable understanding.Each member’s information is represented in slides and identified with their name. | Presentation is unorganized. Tools are not used in a relevant manner. Lacking some of the members’ information. | Presentation has no flow. No tools used. Insufficient information and lacking some of the members” information.  |
| **Calculations** | Calculations are accurate and work is thorough. | Calculations are accurate but some work is missing/ not presented. | Calculations are accurate but no work is present | Very few calculations | No calculations |
| **Pictures, Clip Art Background** | Images are appropriate.Layout is pleasing to the eye. | Images are appropriate. Layout is cluttered. | Most images are appropriate | Images are inappropriate. | No images |
| **Mechanics** | No spelling errors. No grammar errors. Text is in authors’ own words. | Few spelling errors. Few grammar errors. Text is in authors’ own words. | Some spelling errors. Some grammar errors.Text is in authors’ own words. | Some spelling errors. Some grammar errors. Most of text is in authors’ own words. | Many spelling and or grammar errors. Text is copied. |
| **Questions**  | Comprehensive answers and explanations. | General answers missing some supporting detail. | General answers with no supporting detail. | Some questions not answered. | Many questions not answered. |

Rubric taken and modified from: <http://www.wuhsd.org/site/handlers/filedownload.ashx?moduleinstanceid=6721&dataid=11782&FileName=Rubric%20for%20Power%20Point%20Project.doc>

Note: This assignment was developed from an assignment I used from Kent Carlson at RCHS.