

**Project #1: NOT A PENNY MORE NOT A PENNY LESS**

Due date: December 19. Class work: December 1 -17.

**Points:**

Classwork: 25 points a day. Everyday you are unprepared to work in class you lose a percentage of the points for the work day.

Project is worth 200 points:

- 100 points will be based on accuracy of work
- 100 points based on the quality of visual with all the required components.

**Concepts:** Percent of a quantity, finding missing percent, and applying tax

**Materials:**

1. Theme folder with brads (needed for final product).
2. Ads from newspapers, magazines, mail, inserts (**You may not use the internet for shopping.**)
3. Loose leaf notebook paper or 3X5 cards if you choose to hand write your work.
4. Colored construction paper (5-10 pieces)
5. Calculator
6. Pencils
7. glue or glue stick
8. scissors

**Requirements: Ads: (No internet shopping.)**

1. You must use **exactly 10 ads.**
2. You may use **a maximum of four ads from the same store.**
3. You must use **the original store name for each ad being used**
4. Type of ads.
  - A. Four of the ads **must have the original price and percent off displayed**
  - B. Three of the ads **must have the original price and the sale price with no percents showing.**
  - C. Three of the ads **must have the selling price without percent or original price as part of the ad.**

**Work:**

- 1 All steps must be shown
- 2 You will use a calculator to calculate all of your work. **Round up to the next penny for final calculations.**
- 3 You may use a word processor to write out your work if you so desire or neatly write it on 3x5 cards
- 4 When finding the discount percent **round your answer to the nearest whole percent.**

**Presentation:**

- 1 Your project is to be in a theme folder with brads.
- 2 **You are required to have a balance sheet at the beginning of the project.**
- 3 All ads (one per sheet) are artistically displayed on construction paper with the work your work.
- 4 Your ads need to be **in the order** they are presented on the balance sheet.
- 5 Your name, date period and homeroom must be placed on the front of your **decorated** theme folder
- 6 **Your work templates are to be at the back of the project.**

**Sample demonstrations of work:**

**Type A ad –**

Regular price: \$45.00  
Discount percent: 25%  
Tax rate: 9.5%

$$45 \cdot .25 = 11.25$$
$$45 - 11.25 = 33.75$$
$$33.75 \cdot 0.095 = 3.20625$$
$$33.75 + 3.21 = \$36.96$$

**Type B ad –**

Original price - \$60.00  
Sale price - \$35.00  
Tax rate: 9.5%

**1. Finding discount percent –**

$$discount\% = \frac{60 - 35}{60}$$
$$d\% = \frac{25}{60}$$

$$d\% = 0.41\bar{6}$$
$$d\% = 42\%$$

**(Remember to round to the nearest whole percent.)**

**2. Total cost of item –**

$$35 \cdot 0.095 = 3.325$$
$$35 + 3.33 = \$38.33$$

**Type C ad**

Price - \$78.34  
Tax rate – 9.5%

Using one step total 1. tax rate

$$78.34(1.095) = 85.7823$$

Total : \$85.79

**(Remember to round to the NEXT penny.)**