

Eighth Grade Percents – Shopping Spree

You will be given \$300 of imaginary money to go on an Internet shopping spree. **There are only 5 websites you are allowed to go to.** Each of these sites will give a certain percentage off of what you are buying. **You must buy at least 5 items!**

Target – 10 % off	(.10)	<i>Make sure your calculations are correct!</i>
Best Buy – 5 % off	(.05)	
Walmart – 15% off	(.15)	<i>Make sure you use the correct formulas!</i>
Tiger Direct – 5 % off	(.05)	
Sears – 15 % off	(.15)	<i>Mistakes will bring down your grade!</i>

You must come as close to \$300 without going over.

I. We will merge the top row

- Name
- Room number
- Title

II. We are going to create a spreadsheet that will show the:

- Quantity
- Name of the Item
- Online Price
- Store (sold at)
- Discount Off (online price X percent)
- Sale Price (online price minus discount off)
- Sales Tax (discounted price times .08)
- Total (discounted price plus sales tax)

III. We will also show a running total at the bottom of the sheet.

Rubric:

\$297-\$300 = A+
\$294-\$296 = A
\$290-\$293 = A-
\$287-\$289 = B+
\$284-\$286 = B
\$280-\$283 = B-
\$277-\$279 = C+
\$274-\$276 = C
\$270-\$273 = C-
\$251-\$269 = D
\$250 & Below = F

Formulas:

To find the Sale Price of an item, take the online price and multiply it by the percentage to get a number (n). Then take the online price and minus the number to get your sale price.

Example:

Online price X Percentage off = n

Online price – n = Sale price

$$19.99 \times .10 = 1.99$$

$$19.99 - 1.99 = 18.00$$