# Math 1050 Multiple Discounts Assignment

From this activity I learned that the order in which multiple discounts are applied to an item makes a significant difference in the final price. It is something I never really gave much thought to, yet as a single mother with 4 children and an avid coupon clipper and discount seeker, I was very surprised! If you are fortunate enough to find a retailer that will allow you to use multiple discounts, then it is very nice to know how to use them so that they benefit you the most. It is also interesting to see how a "percentage off" discount versus a "dollar amount" off discount can differ based on the price of the item. Sometimes the discount taken will be equal no matter which is applied first, other times it will not. It depends on the actual price of the item.

The math from this project can be applied to other real life situations that we experience every day. I'm always going to the store and looking for the best possible way to save money, as are most people. We are a society of consumers, and even for those things we take for granted every day, like having a car to drive or a washing machine to clean our clothes, it is usually not until we *don't* have something that we've grown accustomed to that we realize how very much we depend on it and take it for granted. But when it comes time to have to pay to replace something like this, we forget what a major expense it is! So when we are forced to invest in a replacement, it's best to be aware of the options available and to take advantage of the best possible one. This assignment helped me to see how, by taking just a little more time, paying more attention and being more aware can make a big difference when trying to save money and make good decisions.

The mathematical concepts used in this activity are, first and foremost, logic and reasoning, which are mathematical concepts that I think are often forgotten about in our daily

living, and one we don’t take advantage of as often as we should, adding, subtracting, multiplying, converting decimals and percentages, function applications, order of operations, and finding and simplifying complex functions.