This week’s exercise really made me utilize multiple functions and concepts we’ve learned in previous weeks. I took these steps below in order to complete the exercise.

The first steps I took to clean the data were these:

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| inserted a Pivot Table to find incorrect entries | | | | | | | |
| Changed the spelling typos in ‘Item’ | | | | | |  | |
| Changed the ‘Date’ format to match and be uniformed | | | | | |  | |
|  | | used find all/ replace all | | | |  | |
| Changed the spelling typos in ‘Category’ | | | | | |  | |
|  | | used find all/ replace all | | | |  | |
| Changed the ‘Sale Price’ formatting to match all | | | | | | | |
|  | | Changed the Sale Price for some items that were out of place | | | | | |
|  | | Used the Pivot Table to find incorrect sale Price for item | | | | | |
|  | |  | |  | |  | |
| Then to find the specific sale prices per Item I used VLOOKUP | | | | | | | |
| Used VLOOKUP function to find the sale price per item | | | | | | | |
| sorted Sales Transactions by Date | | | | | |  | |
|  | |  | |  | |  | |
| To find individual amounts sold per day: | | | | | | | |
| Using COUNTIFS function to count quantity of items sold per day | | | | | | | |
|  | | I learned the importance of using '$' for ranges to lock them, without it copying the formula to the next cell changes its values | | | | | |

To find profit per line I subtracted Sale price – cost of good

Profit per day I used SUM function for all the profit per line, by knowing individual items sold helped with these calculations faster

Profit in all sales, again I used SUM function to add profit per day to find all sales

To find what items were most/least profitable I subtracted Profit – Cost of good and made it into percentages, this helped identifying which items had the highest profit

To find Total Calories – used VLOOKUP to find calorie per item

By finding the quantity sold of each item per day in Profit calculation, I was able to use that info and multiply it to each item and its calorie. Used SUM function to find calorie per day

Used SUM function by adding each day to find the calories in all sales

To find the most/least calorie per day, I compared each day and anything over 5000 calories had the most and anything below had the least.