General Setup

1. [2 points] Save the Start.xlsx workbook and rename the file **ExcelTest_LastFirst.xlsx**
2. [1 point] Place your name in cell **B1** of the **Car Loan** worksheet

Car Loan

- On the **Car Loan** worksheet, you will compute details related to a car loan
- Data should be entered in the light blue cells
- All other cells should be calculated
- All cells should be properly formatted, currency as currency, percent as percent, etc.
    1. [2 points] Merge cells D2:F2 and add the text **Credit Rating Table** - this should be bold and centered
    2. [1 point] Place a *thick border* around the **Credit Rating Table** (cells D2:F8)
    3. [3 points] Add a range name of "**Credit_Rating_Table**" to the table in D4:F8 so a VLOOKUP can be performed on the **Credit Rating** column
    4. [4 points] In cell B7 compute the minimal percent down by looking up the **Credit Rating** in the **Credit Rating Table**
    5. [2 points] In cell B8 compute the **Down Payment** based on the **Price of the Car** and the **Percent Down**
    6. [2 points] In cell B9, compute the **Amount Financed** based on the **Price of the Car** and the **Down Payment**
    7. [4 points] In cell B11, Lookup the **APR** based on the **Credit Rating** and the **Credit Rating Table**
    8. [4 points] In cell B12, compute the monthly payment based on the **Amount Financed**, the **APR** and the **Years Financed**
    9. [4 points] In cell B13, place the word **Yes** if the **Payment** is less than the **Desired Maximum Payment**, otherwise place the word **No**
    10.

	A	B
1	**Name**	Amanda Porter
2	**Price of Car**	$12,000.00
3	**Credit Rating**	Poor
4	**Years Financed**	5
5	**Desired Maximum Payment**	$210.00
6		
7	**Percent Down**	20.00%
8	**Down Payment**	$2,400.00
9	**Amount Financed**	$9,600.00
10		
11	**APR**	12.00%
12	**Payment**	$213.55
13	**Can Afford**	No
14		
15		

Candy Computations

- Go to the worksheet labeled **Candy**
- Cells A33:B34 contain the number of calories in one gram of fat and sugar
- For these computations, you should use mixed references whenever appropriate.
    1. [3 points] In column H compute the **Calories From Fat** using the information in A33:B34 and the **Total Fat** in each candy bar
    2. [3 points] In column I compute the **Calories From Sugar** using the information in A33:B34 and the **Total Sugar** in each candy bar
    3. [3 points] In column J compute **Other Calories** for each candy bar by subtracting the **Calories From Fat** and the **Calories From Sugar** from the **Calories**
    4.

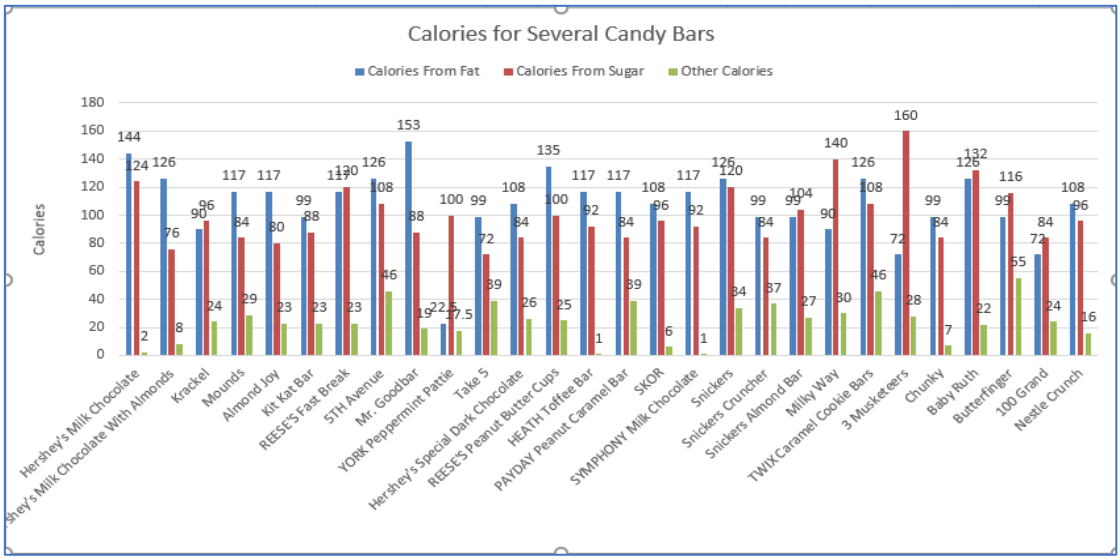
	A	B	C	D	E	F	G	H	I	J
1	Chocolate Bar	Serving Size	Calories	Total Fat	Saturated Fat	Contains Trans Fat	Sugar	Calories From Fat	Calories From Sugar	Other Calories
2	Hershey's Milk Chocolate	1 bar	270	16	10	NO	31	144	124	2
3	Hershey's Milk Chocolate With Almonds	1 bar	210	14	6	NO	19	126	76	8
4	Krackel	1 bar	210	10	6	NO	24	90	96	24
5	Mounds	1 bar	230	13	10	NO	21	117	84	29

    5. [2 points] in Cells H30:J30 compute the average of each column
    6. [2 points] Display the averages you just calculated accurate to one decimal point
    7.

7	Butterfinger	1 bar	270	11	6	NO	29	99	116	55
8	100 Grand	1 packag	180	8	5	NO	21	72	84	24
9	Nestle Crunch	1 bar	220	12	7	NO	24	108	96	16
10	**Average**							108.2	100.4	24.2

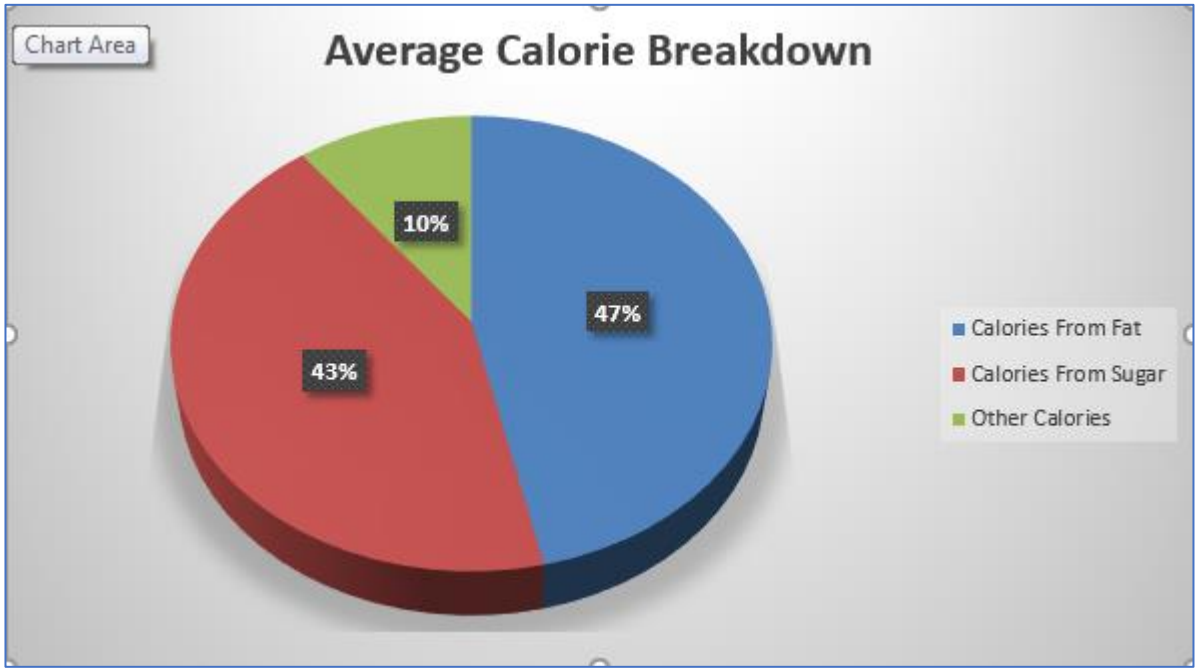
    8. [5 points] Insert a Clustered Column chart to display **Calories From Fat, Calories from Sugar**, and **Other Calories** for each chocolate bar
    9. [1 point] Move and resize chart to cells A36:K62
    10. [6 points] Format the chart so that
        - The Chart Title is **Calories for Several Candy Bars**
        - The y axis is labeled **Calories**
        - There is no x-axis label
        - The data for each column is displayed
        - The Legend is on the top of the chart

11.



12. [10 points] Insert a 3D Pie chart in cells A64:G83 (move and resize chart) displaying the **Average** of **Calories from Fat**, **Calories from Sugar** and **Other Calories** using
    - Chart **Style 3**
    - Chart title of **Average Calorie Breakdown**

13.



Data Tools

- Go to the worksheet labeled **Data**
- This sheet represents graduation rates in PA for public schools 2013-2014
    1. [1 point] Freeze the panes so that the school name and the column headings do not scroll off screen
    2. [1 point each] Answer the following questions on the **Answers** worksheet cells C6:C9 using the Sort and Filter Excel tools:
        1. What is the **School Name** of the school with the largest **Total Cohort**?
        2. How many schools did not have any graduates?
        3. What is the **School Name** of the school which had a 100% **Graduation Rate** and the most **Total Grads**?
        4. How many schools have more than 200 students in the **Total Cohort** but have a **Total Graduation Rate** less than 70%?
    3. [3 points] Show all schools where the **Total Grads** are between 170 and 180. Sort these by **Total Graduation Rate** largest to smallest

- Save the workbook somewhere that you can retrieve it if necessary (S: drive)