**\*\*\*\*\*\*\*The Next three lessons should all be saved in the same workbook. Therefore each assignment should just be a new sheet tab. Label each tab according to the directions below each table. Also make each sheet tab a different color. Save the document as “excelextras.lastname” to your Excel folder and copy/past to your “To Be Graded” folder for credit.**

Unit B EXTRA Independent Challenge 1

You manage a local toy store, Fun N’Games. Because you learned how to use Excel, you decide to use a workbook to calculate on-hand inventory values for products in the following table.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| *Product* | *Wholesale Price*  | *On-Hand* | *Total Value* | *Retail Price* |
| Doug Daring Action Hero | 12.35 | 26 |  |  |
| Space Invader Adventure | 25.73 | 51 |  |  |
| Ninja Ants | 16.22 | 85 |  |  |
| Incredible Rhinos | 22.67 | 42 |  |  |

\*\*\*Re-name Sheet 1 as **FunNGames** in your Excel folder.

1. Think about where you want the on-hand totals for all products to appear. Where do you want the average price to appear?
2. Enter the data shown in the table in the workbook.
3. Calculate the total value for each product.
4. Calculate the total value for all four products.
5. Calculate the retail price of each product using the following formula: Wholesale price \* 1.5
6. Calculate the average retail price of all the products.
7. Enter you name in a cell, save your work, and then preview the worksheet.

Unit C EXTRA Independent Challenge 2

You are the human resources manager for a company called City Tech Force, which provides support and repair services for computer related problems. You are in the process of creating a worksheet for the weekly employee payroll data. Once you have completed the worksheet, you will need to format it to give it a professional look.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| *First Name* | *Last Name* | *S.S. Num* | *Hours Worked* | *Hourly Rate* | *Pay* |
| Wendy | Chen | 145-83-3833 | 35 | 25 |  |
| Gregory | Winchester | 833-56-2904 | 30 | 25 |  |
| Sameer | Gupta | 294-42-5932 | 37 | 30 |  |
| Marc | Sanchez | 352-59-3924 | 41 | 30 |  |
| Alicia | Reid | 184-28-1792 | 32 | 25 |  |

Open a new SHEET and save it as **CityTech**.

1. Enter the data shown in the table above in the workbook.
2. Enter the formulas to calculate the pay for each employee. (Hours Worked \* Hourly Rate)
3. Insert a Row above Row 1. Add the worksheet title “Payroll Data” in the new row 1. Merge and center the title over the column labels.
4. Change the font and font size of the worksheet title, as appropriate, to emphasize it.
5. Make the column labels bold.
6. Format the Pay column for currency with no decimals
7. Make sure all columns are wide enough to display all the data and labels.
8. Enter your name in a cell in the worksheet and save your work

Unit C EXTRA Independent Challenge 3

You are the store manager of a fitness store called Bayside Fitness. You have created a worksheet to keep track of the inventory. Before showing the worksheet to the owner of the store, you want to format it to make it more attractive and efficient. Use the table below as a basis for your new worksheet.

|  |  |  |
| --- | --- | --- |
| *Product* | *On-Hand* | *Retail Price* |
| Exercise bikes | 26 | 149.99 |
| Treadmills | 18 | 199.99 |
| Rowing machines | 13 | 79.99 |
| Exercise mats | 32 | 20.00 |
| Yoga mats | 14 | 22.00 |
| Exercise balls | 28 | 25.00 |
| Dumbbells – 2 lb | 21 | 4.00 |
| Dumbbells – 4 lb | 19 | 4.00 |
| Dumbbells – 6 lb | 23 | 4.00 |
| Dumbbells – 8 lb | 17 | 6.00 |
| Dumbbells – 10 lb | 10 | 6.00 |
| Steppers | 16 | 45.99 |

1. Enter the data shown in the table above in a new SHEET saved as **Bayside**
2. Insert a row above Row 1 and add the worksheet title “Bayside Fitness Inventory.” Merge and center the title over the column labels.
3. Change the font and font size of the worksheet title, as appropriate, to emphasize it. Add a fill color to the worksheet title.
4. Format the Retail Price column so that it displays the Accounting Number Format with two decimal places.
5. Make the column labels bold and underlined, and center-align them.
6. Make sure all columns are wide enough to display all the data and labels.
7. Enter your name in a cell in the worksheet and save your work.

**Unit D EXTRA Independent Challenge 4**

You are studying the history of immigration in the urban areas of the US. In the years 1980 through 1990, immigration in urban U.S. areas had grown. The following tables list urban areas in the United States that had grown the most and the origin of immigrants. Use this data to illustrate immigration distribution in each of these urban areas.

Los Angeles area San Francisco area

|  |  |
| --- | --- |
| Mexico | 113,919 |
| Philippines | 81,575 |
| China | 56,837 |
| Vietnam | 56,803 |
| El Salvador | 26,093 |

|  |  |
| --- | --- |
| Mexico | 866,088 |
| El Salvador | 169,077 |
| Philippines | 114,123 |
| Vietnam | 91,442 |
| Korea | 91,385 |

New York City area

|  |  |
| --- | --- |
| Dominican Republic | 145,153 |
| China | 74,959 |
| Jamaica | 74,168 |
| Colombia | 66,685 |
| Korea | 58,456 |

Open a new SHEET and save it as **Immigration**

1. Enter the data shown in the tables above.
2. Create two charts for each urban area that show the immigration distribution.
3. Change the color of a data series in at least one of the charts.
4. Add text annotations and/or arrows to highlight data of interest.