

NAME: _____ DATE: _____

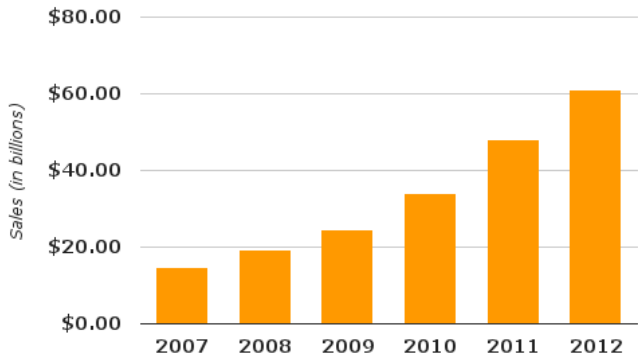
The Urban Assembly School for Global Commerce

Learning Target: I can create graphs in Microsoft Excel to analyze different types of Data.

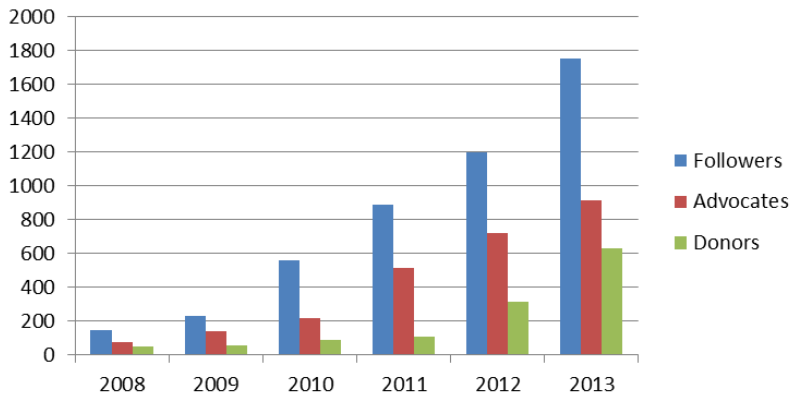
Do Now: 1. What are 3 community agreements in this class?

2. What type of conclusions can you make by looking at these graphs?

Amazon Sales 2007-2012



Social Media Impact

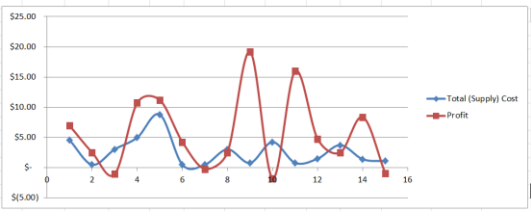
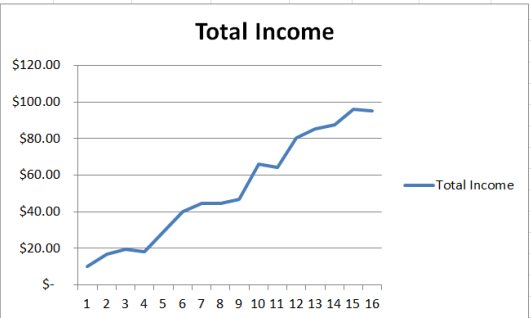


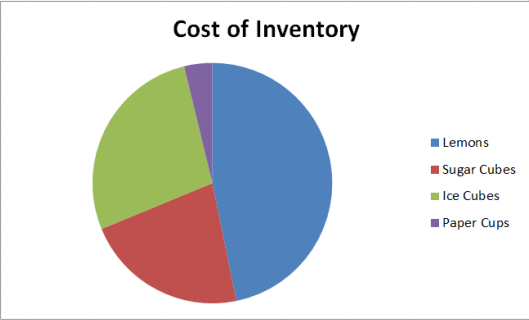
MINI-LESSON

How are graphs helpful in presenting or analyzing data?

When are your graphs due? 12:45pm on Wednesday December 14th

WE DO: 3 volunteers will be needed to demonstrate to how each graph. While the demonstration is happening, take notes on the space provided.

Graph Type & What are you graphing	What information do you need to create your graph? What column/ row is it found?	How do you create the graph?
<p>Scatter Graph</p> <p>Relationship between Supply Cost and Profit for the days you were in business for.</p> 	<p><i>Total Supply Cost – Column N</i></p> <p><i>Profit – Column O</i></p> <p><i>Days- Column A</i></p>	<ol style="list-style-type: none"> Go to “INSERT” at the top ribbon. Click on “Scatter” Select “Scatter with Smooth Lines and Markers Move your graph below your chart Click “Select Data” on the top ribbon Then Click “Add” Enter the information typing or clicking and dragging cells. <ol style="list-style-type: none"> Series Name: Total Supply Cost Series X Values: Highlight Days 1- 15 Cells A5:A15 Series Y Values: Delete what is in the space and highlight the numbers entered under Total Supply Cost, Cells N5:N19 Repeat steps 5 and 6 to graph the data for “Profit” <p>Series Name: Profit</p> <p>Series X Value: Days 1- 15</p> <p>Series Y Values: Data entered for profit in the 15 days, Cells O5:O19</p>
<p>Line Graph</p> <p>The flow of your total income throughout the days you were in business for.</p> 	<p><i>Total Income – Column P</i></p>	<ol style="list-style-type: none"> Highlight the information in the total income column including the title. Cells P3:P19 Click Insert in the top Ribbon Click “Line” Select the first type of graph choice simply called “Line” Move your graph below your chart

<p>Pie Graph</p> <p>The breakdown of how much you must spend for each type of supply</p> 	<p><i>Total Cost for Lemons on all days– Cell P20</i></p> <p><i>Total Cost for Sugar Cubes on all days– Cell E20</i></p> <p><i>Total Cost for Ice Cubes on all days– Cell G20</i></p> <p><i>Total Cost for Paper Cups on all days– Cell I20</i></p>	<ol style="list-style-type: none"> 1. Go to INSERT at the top ribbon . 2. Click on “Pie” 3. Select the first type of graph under 2-D Pie “Pie” 4. Move your graph below your chart 5. Click “Select Data” on the top ribbon 6. Then Click “Add” 7. In Series Name type “Cost of Inventory” 8. In Series Values: delete what is in the cell and then hold down the CTRL key and multi-select the cells with the Total Cost for each item and press OK Cells C20, E20, G20 and I20 9. Click “Edit” towards the right side of the “Select Data Source” Window 10. Type in “Lemons, Sugar Cubes, Ice Cubes, Paper Cups” <p>*DO NOT type quotation marks but DO type commas.</p>
--	---	--

YOU DO: Now it is your turn to create at least 3 different types of graphs using the data you entered on your spreadsheet. E-mail your completed spreadsheet to familiare@uaglobalcommerce.org . Make sure the Subject line of the e-mail says “Lemonade Stand Game”

Analysis Questions based on your graphs: What conclusions can you draw from looking at your graphs? Answer the 2 following questions based on your graphs and other data.

1. Analyze Total Supply Cost vs. Profit:

Describe the relationship you see in the graphs. What fluctuations do you see in your total daily cost vs. the daily profit? What do you think caused them? Indicate the specific days as a way to provide proof of your conclusion. For example: “Most of time the if I spend more on supplies I made more profit, except for day 9, where I spent extremely little on supplies and made a huge profit. This was because.....”

2. Analyze Total Income:

Describe the "Total Income" trend. Give reasons why it may look that way and what you would do different in the future. Use specific data from the graphs. Indicate the specific days as a way to provide proof of your conclusion. For example "Between day 10 and 11 there was a significant drop in sales due to..."

Extension: Create 1-3 more graphs using the data in your chart. You can create any type of graph to show any information you think would be important to visualize. Each extra graph will earn you 3+ points