



Your task is to track all sales and sale expenses for a 30 day time period for your lemonade stand. The lemonade stand game can be found at: <http://www.coolmath-games.com/lemonade/>



## Spreadsheet Set up

Step 1: Set up the page layout for landscape  
Set up column headings as shown  
Wrap all text in the column headings  
Type the numbers 1 to 30 in cells A3 to A32

	A	B	C	D	E	F	G	H	I	J	K
1	Carolyn's Lemonade Stand										
2	Day Number	Money Spent on cups	Money spent on lemons	Money spend on sugar	Money spend on ice	Total Expenses	Price charged per cup	Cups Sold	Potential Customers	Gross Profit	Net Profit
3	1										
4	2										
5	3										

Step 2: Format title of spread sheet as shown  
Your name's lemonade stand  
Merge A1 to K1

Step 3: Turn on all borders for A2 to K32

Step 4: Create formulas for columns F, J, K  
Total expenses—add all expenses together  
Gross Profit—Number of cups sold \* price charged per cup  
Net Profit—Gross profit – expenses  
Use auto fill to drag the formulas all the way down to row 32—for now no answers will appear....

Step 5: Format fonts and fills on your spreadsheet. Format the appropriate columns to currency



## Game Play

Step 6: Visit the game website, choose the 30 day simulation.  
Each day, check the weather forecast and average temperature. Make purchase selections for: cups, lemons, ice, sugar that you think you will need for that day

Step 7: Record how much you spent on each item in your spreadsheet EVERY DAY!

Step 8: Set the price you will charge per cup each day. Record this price in row G each day.

Step 9: Determine the amount of lemon, sugar, and ice you will use for your lemonade recipe. These items DO NOT get recorded on your spreadsheet.

Step 10: Run the simulation game for the day. \*Do not alter the cup price during the day.

Step 11: After the day ends, record the following on your spreadsheet: number of cups sold, number of potential customers.

\*The game will not give you values for Columns F, J, K—you have to write formulas for those 3 columns!

Step 12: Run the simulation again for 29 more days. Record all data on the spreadsheet as you go.



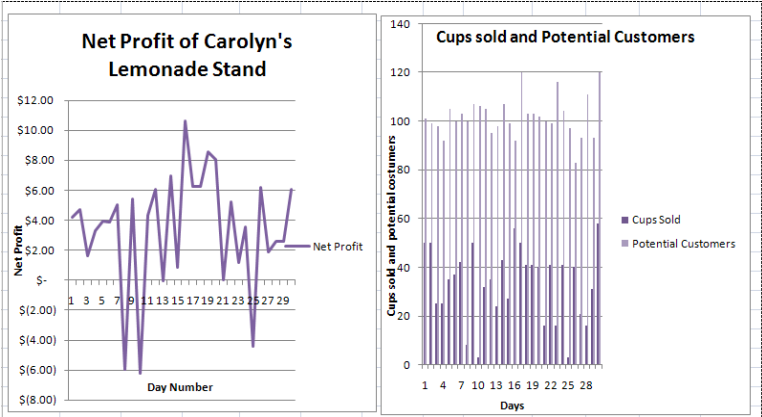
## Graphing

Step 13: Create the following 2 graphs of your lemonade stand data

- Graph #1--Line graph showing net profit each day
- Graph #2--Column graph showing comparison of potential customers vs. cups sold

Step 14: Edit the fill colors for both graphs

Step 15: Insert appropriate titles on both graphs



Part	Item	Points
Spreadsheet	Spreadsheet title	1
	Number Formats	2
	Cell Borders	1
	Merged cells	1
	Wrapped text	1
Formula Sheet	Column F formula	2
	Column J formula	2
	Column K formula	2
Graphs	Graph #1 correct style for data relationship	5
	Graph #2 correct style for data relationship	5
	Fill colors changed on both	1
	Titles on both	1
	Total points for assignment	24