

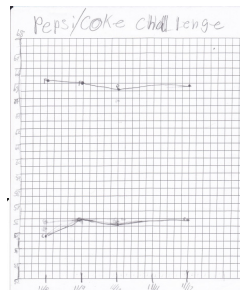


McCartney Ranch Elementary School Casa Grande, AZ Teachers: Cassidy Larkin and Jennifer McCloud Fellow: Victor I. Piercey Grade: Fifth



The Stock Market

We spent four weeks studying the stock market. First we introduced the stock market to the students. During the first two weeks, the students tracked the prices of Pepsi and Coke stocks. During the second two weeks, we used Google Finance to simulate the purchase and sale of stocks chosen by the students from a list.



Handwritten notes on the graph: "buy 79.30", "buy 79.48", "we lost 37 cents on the MCD company"



Choose Your Own Stock
Now your group will choose a stock to track. Using Google Finance (www.google.com/finance), choose one of the following stocks to track. We will see which group makes the most money on a purchase and later sale of 100 shares of your chosen company.

1. The Walt Disney Company. NYSE Ticker: DIS
2. Six Flags Entertainment Corp. NYSE Ticker: SIX
3. McDonald's Corporation. NYSE Ticker: MCD
4. General Motors Co. NYSE Ticker: GM
5. Wal-Mart Stores, Inc. NYSE Ticker: WMT
6. Domino's Pizza, Inc. NYSE Ticker: DPZ
7. Kellogg Company. NYSE Ticker: K
8. Southwest Airlines Co. NYSE Ticker: LUV

As you track your stock, keep the daily price on one piece of paper and plot your graph on a piece of graph paper.

How much money will YOU make??

Graphing and Excel

We are currently working on teaching the students to use Excel to analyze data. Using data from the 2000 U.S. Census, we had Excel compute the percent of Casa Grande's population that identified themselves among various race categories. We used a budget based on the fellow's lifestyle to have the students create pie graphs illustrating the percent of the total monthly budget devoted to each line item. We are currently working on analyzing income distribution data.

Typical Casa Grande Monthly Household Expenses

1. House: \$1000.00 per month
2. Electric: \$150.00 per month
3. Cable: \$140.00 per month
4. Phone: \$50.00 per month
5. Gas: \$25.00 per month
6. Water: \$50.00 per month
7. Food: \$500 per month
8. Car: \$200 per month
9. Fuel: \$150 per month
10. Other: \$500 per month

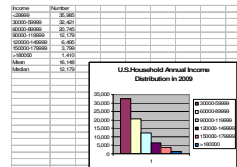
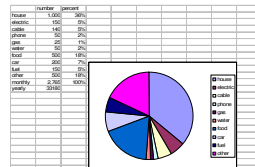


U.S. Household Annual Income Distribution in 2009

1. Less than \$29,999 per year: 35,985
2. Between \$30,000 and \$59,999 per year: 32,421
3. Between \$60,000 and \$89,999 per year: 20,745
4. Between \$90,000 and \$119,999 per year: 12,179
5. Between \$120,000 and \$149,999 per year: 6,495
6. Between \$150,000 and \$179,999 per year: 3,799
7. Greater than \$180,000 per year: 1,410

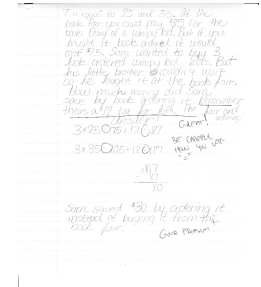
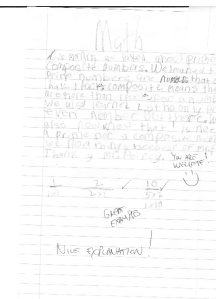


Source: United States Census Bureau (http://www.census.gov/hhes/www/cps/cps03/032010/hhinc/new_06_000.html)



Writing Mathematics

One weakness among many college math students is their inability to express their mathematical thoughts. The mathematics curriculum used in the Casa Grande district encourages mathematical writing exercises. We have taken this a step further and assigned mathematical topics for students' timed focused writing activities. We also include mathematical activities with their reading enrichment projects.



Paul Revere's Day Book



As you read, Paul Revere did all of his arithmetic in a Day Book, which was like his journal. Create an entry for Paul Revere's Day Book that includes the following transactions:

1. Received order for 75 bells weighing 500 pounds each. He charges \$0.42 per pound. How much is he owed?
2. Received payment for one fourth of the bells. How much did he collect? How much remains to be paid?
3. Sold 12 teapots for \$1.23 each. How much did he collect? If each teapot cost \$0.76 to make, how much profit did he make?
4. Rang bells for Christ Church three times during the day and was paid \$1.45 for each time. How much money did he earn?

Make sure you describe the thoughts Paul Revere may have had after such a busy day!

