Unit 3 Project: The Stock Market

Standard covered: 8.SP.1,3

Directions: Over the course of unit 3 you will need to complete the following tasks. We will have a pacing check every week on Wednesday to make sure that you are progressing at the right pace. This will be graded like a quiz so please be sure to try your hardest. **If you lose this sheet you will be docked points…**

so don't lose it!

Task #	Explanation	Target date	Done
1	Join the stock game and purchase stock. (time in class)	1-9-19	☐ Y ☐ N
2	Check website for profit/loss and record.	1-16-19	☐ Y ☐ N
3	Check website for profit/loss and record.	1-23-19	☐ Y ☐ N
4	Check website for profit/loss and record.	1-30-19	☐ Y ☐ N
5	Check website for profit/loss and record.	2-6-19	☐ Y ☐ N
6	Create scatterplot	2-13-19	☐ Y ☐ N
7	Answer questions about scatter plot.	2-20-19	☐ Y ☐ N

Unit 2 Project Rubric

Task 1	☐ Minimum of two stocks purchased with amount close to $100,000
Task 2-5	☐ Table fully completed with profits/losses
Task 6	☐ Correct labels ☐ Appropriate interval on y axis ☐ Data plotted correctly
Task 7	Total correct out of 5

Number of tasks not completed on time: _____
Points deducted from final grade: _____

Total Score _____/10___

Unit 3 Project: Stock Market

You have been trusted to invest $100,000.00 of your client's money. You will research companies, and up to six different companies to invest in. You have to invest in a minimum of two different companies. We will use a website that allows you to buy stocks as if you were really investing.

The website keeps track of your investments, and will show you how much your investment portfolio is worth at any time. The contest begins on January 3, 2017, and will end at the end of unit 3.

Below are the instructions for registering and joining the contest:

1. Go to the website: www.howthemarketworks.com

2. Click the green button that says create an account.

    a. To create your username type your first name.last last name (ex. kimberley.schulte)
    b. Create a Password (this doesn't need to be a real complicated password; use something that you will remember)
        i. Write your password here: _____
    c. Select your Age Group
    d. Enter your school email.
    e. Enter your first and last name again.
    f. Select that you are not an instructor ☺.
    g. You will need $100,000 in virtual cash.
    h. Select no for owning a brokerage account.
    i. **The only box under the information that you just typed that should be checked is   "I agree to How The Market Works…."**
        This will ensure that you do not receive any unwanted emails.
    j. Click Register

3. Now on the next page that you see you are going to join our contest…
    a. On blue menu bar up top click on the word CONTEST and click JOIN CONTESTS.
    b. In the area where it says finds a contest type in UNIT 3 PROJECT. Then click the green join button.

4. You are ready to go! Once you have done your research, purchase your stocks!

5. To do this you need to click the button on the top tool bar that says Make a Trade, then select Trade Stocks/ETFs. **Be sure that the Unit 3 Project is highlighted in green before you start buying**

Task 1:

- ✓ **Be sure that Unit 3 Project is selected in the blue contest area…**
 - o Now select MAKE A TRADE in the top blue section.

Company Name	Ticker Symbol	Share Price (last price)	Number of Shares Purchased	Total Value of Investment
Total Investment				

Task 2-5: Here is where you will keep track of your stock's growth/loss. You need to record this at least two times per week.

- ✓ To find this click on your My Portfolio button and select Open Positions. Here is where you can add up your total profit/loss.

Day	Date	Profit/Loss
1		
2		
3		
4		
5		
6		
7		
8		

Task 6: Now we're going to see what some of this data might look like if we graphed it. **For this task, please use the information from the next page to graph "Jane's" data.**

y axis title: _____

x axis title:
_____

1 2 3 4 5 6 7 8
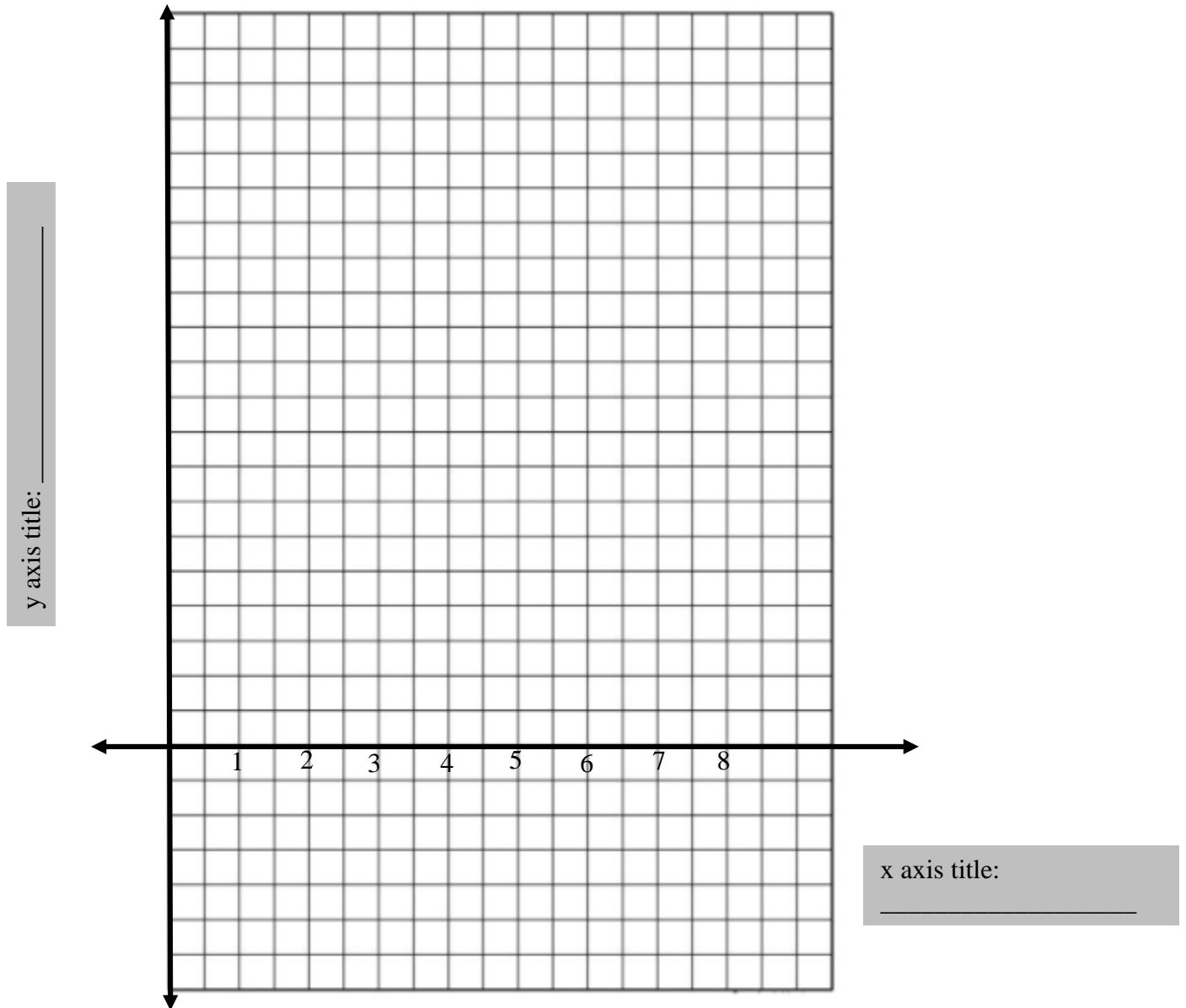
Task 7: Questions

1) Does your scatterplot show any correlation? If yes, what type of correlation?

2) For Jane's stock project she said that the y-intercept for her graph could either be -100,000 or 0.
   a. What would the -100,000 represent as a y-intercept?

   b. What would the 0 represent as a y-intercept?

3) Draw a line of best fit for your graph, and write an equation for the line. _____(2 pts)
   (circle the dots that you used to find the slope)

Stock Data to Graph

Use this data to create the graph on your project.

Day	Date	Profit/Loss
0	1-12-19	
1	1-18-19	+345
2	1-19-19	+725
3	1-21-19	+500
4	1-22-19	+1191
5	1-25-19	+1100
6	1-29-19	+1450
7	2-3-19	+1580
8	2-6-19	+1652

Guiding Questions:
➢ What is your y-intercept? What profit did you start out with at the very beginning?

➢ Label your x axis: Remember that time always goes on the x axis…

➢ Label your y axis: What was changing over time?

➢ Make your interval for the y axis.

  o What is your lowest number? _____
  o What is your highest number? _____
  o Can you start at 0 and go by 1's?
  o Can you start at 0 and go by 2's?, 5's, 10's, 20's, 50's, 100's?
  o If you're not going by ones, what interval are you going to use

➢ Plot your points

➢ Make your line of best fit.