Name _____

Below are the computed averages for the four cars (in number of seconds).

	Red	Green	Yellow	Purple
2 feet	2.8	3.3	2.9	2.6
4 feet	5.7	6.5	5.5	5.1
6 feet	8.5	10	8.4	7.5
8 feet	11.6	13.6	11.4	10.3

I. Using the averages from above, graph the data. Remember to label each axis.
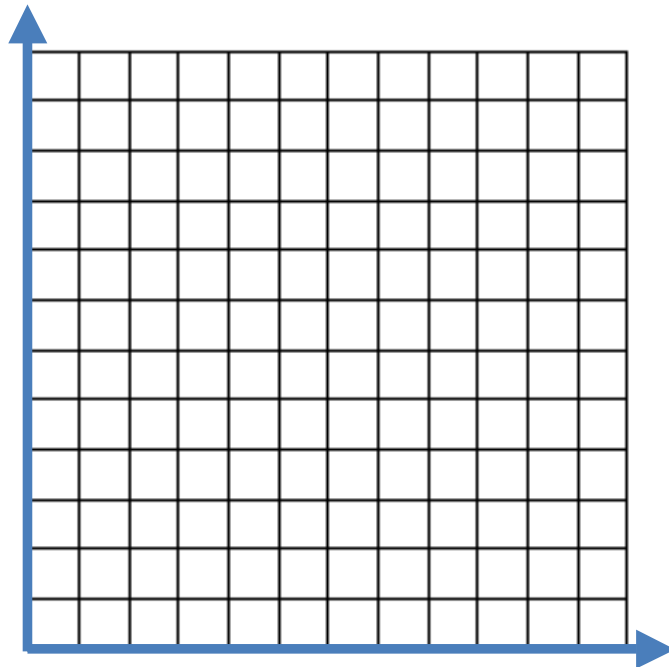
II. Thinking Questions

Questions for Students	Questions for YOU today!
1. Describe the graphs above.	1. What are the *big ideas* that students can learn from this activity?
2. What was noticed about the speed of the cars?	2. What level of student engagement would you expect with this activity?
3. What would the graph of a very fast car look like? What would the graph of a very slow car look like?	3. What are questions that you would ask in a student discussion at this point in the activity?

Money, Money, Money, Money....Money

I just won the lottery and I want to share some money with your team! You have two options of how much money I will give you.

Option 1: I give you One Million Dollars ($1,000,000).
Option 2: I give you 1 penny on the first square of a checkerboard, 2 pennies on the second square, 4 pennies on the third square, 8 pennies on the fourth square, doubling the amount for each of the 64 squares. I will give you all of the pennies on the 64th square.

With your group, determine how much money you would receive with Option 2. Then decide which option you would like to choose. Be sure each member of the team can mathematically explain your decision.