Name_____   Due Date_____   Points Possible   15

This project will be completed outside of class hours – however, we will have time to discuss and problem solve on Fridays.

Investigate the money you'll sink into your commute this quarter and how your choice of transport might affect the bottom line. I know it's easy enough to punch numbers into your calculator - BUT - for full credit, I need to see **each of the numbers that will go into your calculation**. Then, set up a unit conversion (aka dimensional analysis) so that your **units cancel**.

/2   1. What do you need to know to calculate the money you'll spend getting to and from school this quarter?

/2   2. List each of the factors you'll use to calculate your commute costs and their units. For example: *distance to school = 6 miles* You might need to do a little research here!

/4   3. Set up a unit conversion using each of the factors you've identified so that the units cancel and you are left with **dollars per quarter** as the unit on your answer.

/4   4. Use the website https://www.fueleconomy.gov/ to calculate the cost of your commute in a different vehicle. Set up a unit conversion using the new value for gas mileage.

/3   5. Could you get to school using public transport, a bike, carpooling, or walking? Why or why not?
How much would you actually save? Show me some numbers here to back up your analysis. *For example, how much would extra snacks cost if you are planning to bike to school?*