Investigating Scatter Plots: Swimmer Data

1. Create a scatter plot of your data. Label the axes on your graph.

2. What type of association does the data have? How do you know?

3. How would you describe the change in the time it takes to complete a lap?

4. Why do you think the data does not create an exact line?

5. Find an equation of a line of best fit for your data, using either of the methods we learned today.

6. Use this equation to calculate the number of seconds it will take to complete a lap after 10 hours of practice.

7. Graph the data from question #6 on your scatter plot. Does this point show that your equation is a good fit? Why or why not?