

Line of Best Fit: Tongue Twisters Lab

Objective:

Do you know how fast you talk? How fast do your friends talk? Try saying these tongue twisters: *The sunshade sheltered Sarah from the sunshine*, *The Sopchoppy Shoe Shop sells shoes*, *A cricket critic cricked his neck at a critical cricket match*, and *Lavonne lingered, looking longingly for her lost laptop*.

You will time people as they say a tongue twister. Then, you will use scatter plots and graphs to help investigate and display relationships in the data that you collected. Using your function, you will make predictions.

Materials:

- Calculator
- Stopwatch
- Graph paper

Tongue Twisters:

- “One smart fellow, he felt smart. Two smart fellows, they felt smart.”
- “Three witches wished three wishes, but which witch wished which wish?”

Directions:

- List each group member in order.
 - _____
 - _____
 - _____
 - _____
 - _____
 - _____
- Form a semicircle.
- Using the stopwatch, time Person #1 saying the tongue twister to Person #2.
- Record the time to the nearest tenth of a second on the table below.
- Repeat steps 3 and 4 by adding the next person to the chain. Be sure each person speaks one after the other.

Number of people	Time (to the nearest tenth of a second)
1	
2	
3	
4	
5	
6	

DON'T FORGET TO GIVE THE DATA TO DR. BELL BEFORE YOU GRAPH!!

- Draw a scatter plot for all of the data. Be sure to choose the appropriate scale and label the axes.

