1. Do you think that you remember information better by seeing it or hearing it? Why or why not?

Experiment
- Students will memorize a set of 10 numbers with two different tasks.
  - Task A: Seeing task – students will memorize 10 numbers by looking at them.
  - Task B: Hearing task – students will memorize 10 numbers by hearing them out loud.

Fill in the following table.

<table>
<thead>
<tr>
<th>Student Name</th>
<th>“See” Correct (Task A)</th>
<th>“Hear” Correct (Task B)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Student 1</td>
<td>8</td>
<td>3</td>
</tr>
<tr>
<td>Student 2</td>
<td>2</td>
<td>7</td>
</tr>
</tbody>
</table>

Answer the following:

2. Describe the difference between an experiment and an observational study.

3. What was the treatment that was applied in this experiment?

4. Complete the following table.

<table>
<thead>
<tr>
<th>Student Name</th>
<th>% See Correct (Task A)</th>
<th>% Hear Correct (Task B)</th>
</tr>
</thead>
</table>

5. Do you think student 1 remembers better by hearing or seeing? Explain.

6. Do you think student 2 remembers better by hearing or seeing? Explain.
7. If 47% of all teachers at Wheeler remember better by seeing, then HOW MANY teachers remember better by seeing? (153 total teachers)

8. Answer the following.
   a. What was the question of interest for this experiment?

   b. How was data produced?

   c. How could you analyze this data? (Think what types of chart/graphs would work well)

   d. Do you think your results are a good representation of how well ALL people remember by hearing or seeing? Why or Why not?

   e. How could this experiment be improved?