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

**Materials:**

* **2 Index Cards with a list of 10 random numbers**
* **Stopwatch**

**Experiment**

1. Do not look at cards until it is your turn.
2. One person will do a task while the other is the timer.
3. Flip a coin to decide which of the following tasks to perform first.

TASK A

* Study your numbers on your index cards for 30 seconds.
* Recite the alphabet (A, B, C...)
* Tell your partner what you think the numbers on the card are.

TASK B

* Your partner will now read the numbers on your index card aloud 3 times slowly.
* Recite the alphabet (A, B, C…)
* Tell your partner what you think the numbers on the card are.

**Fill in the following table.**

|  |  |  |
| --- | --- | --- |
| **Student Name** | **“See” Correct** | **“Hear” Correct** |
|  |  |  |
|  |  |  |
|  |  |  |

**Answer the following:**

1. After completing the experiment, did you remember the numbers better by seeing or hearing? Is this the same as your prediction?
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.

|  |  |  |
| --- | --- | --- |
| **Student Name** | **% See Correct** | **% Hear Correct** |
|  |  |  |
|  |  |  |
|  |  |  |

1. If 47% of all teachers at Wheeler remember better by seeing, then HOW MANY teachers remember better by seeing? (153 total teachers)

**STOP! WAIT FOR TEACHER**

1. Based on the results of this experiment, can you conclude that people in general remember better when they see than when they hear? Why or Why not?
2. Answer the following.
   1. What was the question of interest for this experiment?
   2. How did you produce data?
   3. How did you analyze the data?
   4. Do you think your results are a good representation of how well ALL people remember by hearing or seeing?