

Name: \_\_\_\_\_

Block: 1 2 6 7

Stimulus-Response Lab – Comparing reaction time between senses

Hypothesis: My fastest sense is \_\_\_\_\_.

Procedure

- 1) You will be working in pairs: one person will hold the top of the ruler (near the highest number) and the other person will place his/her fingers just below the 0 mark on the ruler, but not touching the ruler.
- 2) The ruler will be dropped and your partner must try to catch it as fast as possible. Record the distance the ruler traveled in centimeter (cm).
- 3) Repeat the procedure 4 times for a total of 5 times and record your data.
- 4) Now repeat the procedure 5 times with each modification and record your data:
  - 1) Persons catching the ruler have their eyes closed. Persons dropping the ruler are going to say 'Drop' as they release it.
  - 2) Persons catching the ruler have their eyes closed. Persons dropping the ruler are going to slightly touch their partners as they release it.
- 5) Switch function and repeat the procedure. Record the data.
- 6) Convert your centimeters data into time in seconds using the given conversion chart.
- 7) Average yours and your partner's data. Make a graph.

Table 1. Reaction measured in centimeters.

Trial	Reaction in cm					
	Subject 1			Subject 2		
	Visual	Auditory	Tactile	Visual	Auditory	Tactile
1						
2						
3						
4						
5						

Converting Chart

Centimeters	Time (seconds)	Centimeters	Time (seconds)	Centimeters	Time (seconds)
3.0	0.08	10.0	0.14	17.0	0.19
4.0	0.09	11.0	0.15	18.0	0.19
5.0	0.10	12.0	0.16	19.0	0.20
6.0	0.11	13.0	0.16	20.0	0.20
7.0	0.12	14.0	0.17	23.0	0.22
8.0	0.13	15.0	0.17	25.5	0.23
9.0	0.14	16.0	0.18	30.5	0.30

