

**Psychology Autumn 2015**

**Ch. 1: The Science of Psychology**

**Measuring the Speed of Thought- Mental Chronometry: Chain Reaction Time Answer Key**

**Mr. Minervini**

**Period 2**

**Simple Reaction Time (SRT)**

**This was where you were told which shoulder to squeeze.**

**Times (in seconds):**

1. 5.26
2. 6.26
3. 4.91
4. 4.66
5. 4.65

**Total:**

1. **Calculate the mean SRT for the class:**

Divide the sum of the number of seconds by five (number of times the test was run) for average group time to complete the SRT task.

**AND**

2. **The mean SRT for the individual student (25 Total Students):**

Divide class mean by the number of students for the average time it took each students to react during the SRT task

**Choice Reaction Time (CRT)**

**This was where you had to choose which shoulder to squeeze.**

**Times (in seconds):**

1. 10.70
2. 9.95
3. 9.10
4. 9.21
5. 8.63

**Total:**

**3. Calculate the mean CRT for the class:**

Divide the sum of the number of seconds by five (number of times the test was run) for average group time to complete the CRT task.

**AND**

**4. The mean CRT for the individual student: (25 Total Students):**

Divide class mean by the number of students for the average time it took each students to react during the CRT task

<b>SRT</b>	<b>CRT</b>	<b>Difference</b>
<b>Total seconds for all 5 SRT task attempts</b>	<b>Total seconds for all 5 CRT task attempts</b>	
<b>Avg. Time to Complete SRT task as a group</b>	<b>Avg. Time to Complete CRT task as a group</b>	
<b>Avg. Reaction Time Per Student on SRT task</b>	<b>Avg. Reaction Time Per Student on CRT task</b>	

**HW Question:**

- 5. Does research on mental processing/reaction time have any potential practical consequences/uses? In other words, how can the outcome of our study or any study measuring the speed of thought and reaction be usefully applied? Explain your answers.**