

Psychology Autumn 2015

Ch. 1: The Science of Psychology

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

Mr. Minervini

Period 6

Simple Reaction Time (SRT)

This was where you were told which shoulder to squeeze.

Times (in seconds):

- 1. 8.35**
- 2. 5.35**
- 3. 3.90**
- 4. 4.29**
- 5. 3.51**

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. 14.15**
- 2. 10.65**
- 3. 8.81**
- 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

| SRT | CRT | Difference |
|---------------------------------------------------|---------------------------------------------------|-------------------|
| Total seconds for all 5 SRT task attempts | Total seconds for all 5 CRT task attempts | |
| Avg. Time to Complete SRT task as a group | Avg. Time to Complete CRT task as a group | |
| Avg. Reaction Time Per Student on SRT task | Avg. Reaction Time Per Student on CRT task | |

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.**