# Name:

**Date:**

**Magnitude of the Richter Scale – Richter Scale Worksheet**

# Instructions

Complete the table below by calculating the **Total Number of Seconds** each level of the Richter Scale represents.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Level** | **Second(s)** | **Second(s) in Scientific Notation** | **Total Seconds** | **Other Units of Time (approximate)** |
| 1 | 1 | 1 x 100 |  | 1 second |
| 2 | 1 x 10 | 1 x 101 |  | 10 seconds |
| 3 | 1 x 10 x 10 | 1 x 102 |  | 1 minutes 40 seconds |
| 4 | 1 x 10 x 10 x 10 |  |  | 15 minutes |
| 5 | 1 x 10 x 10 x 10 x 10 |  |  | 2 hours 45 minutes |
| 6 | 1 x 10 x 10 x 10 x 10 x 10 |  |  | 1 day 4 hours |
| 7 | 1 x 10 x 10 x 10 x 10 x 10 x 10 |  |  | 12 days |
| 8 |  |  |  | 115 days |
| 9 |  |  |  | 3 years 2 months 1 day |

Natural Disasters: Lesson 3, Magnitude of the Richter Scale – Richter Scale Worksheet