

Name: _____ Date: _____

Magnitude of the Richter Scale – Richter Scale Worksheet Answer Key

Instructions

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

Level	Second(s)	Second(s) in Scientific Notation	Total Seconds	Other Units of Time (approximate)
1	1	1×10^0	1	1 second
2	1×10	1×10^1	10	10 seconds
3	$1 \times 10 \times 10$	1×10^2	100	1 minutes 40 seconds
4	$1 \times 10 \times 10 \times 10$	1×10^3	1000	15 minutes
5	$1 \times 10 \times 10 \times 10 \times 10$	1×10^4	10,000	2 hours 45 minutes
6	$1 \times 10 \times 10 \times 10 \times 10 \times 10$	1×10^5	100,000	1 day 4 hours
7	$1 \times 10 \times 10 \times 10 \times 10 \times 10 \times 10$	1×10^6	1,000,000	12 days
8	$1 \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 \times 10$	1×10^7	10,000,000	115 days
9	$1 \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 \times 10$	1×10^8	100,000,000	3 years 2 months 1 day