

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 | 1×10^0 | | 1 second |
| 2 | 1×10 | 1×10^1 | | 10 seconds |
| 3 | $1 \times 10 \times 10$ | 1×10^2 | | 1 minutes 40 seconds |
| 4 | $1 \times 10 \times 10 \times 10$ | | | 15 minutes |
| 5 | $1 \times 10 \times 10 \times 10 \times 10$ | | | 2 hours 45 minutes |
| 6 | $1 \times 10 \times 10 \times 10 \times 10 \times 10$ | | | 1 day 4 hours |
| 7 | $1 \times 10 \times 10 \times 10 \times 10 \times 10 \times 10$ | | | 12 days |
| 8 | | | | 115 days |
| 9 | | | | 3 years 2 months 1 day |