

Name: _____

Station 2 Student Sheet Magnitude Math

Step 1: Vocabulary Study

Directions: Complete the vocabulary chart.

	Vocabulary Word MAGNITUDE	
Part of Speech	Definition	Synonyms
	Relationship to Earthquakes	Antonyms

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	Vocabulary Word AMPLITUDE	
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Step 2: Compute Differences in Magnitude

Directions:

1. Cut the cards apart. Shuffle the cards and place them face down. Select two cards and subtract the difference in their magnitude scales.
2. Use the online calculator found at <http://web2.0calc.com/> to compare the power of the two earthquakes.
3. To use the calculator, follow these steps:
 - Click the 10^x button.
 - Enter the difference between two earthquake scales, such as 1.2.
 - Click) to close the parentheses.
 - Click =.

Eureka 1980	Cape Mendocino 1992	San Francisco 1906	San Francisco 1838
San Francisco 1836	Loma Prieta 1989	Hayward 1868	Lone Pine 1872
Kern County 1952	Fort Tejon 1857	Santa Barbara 1927	Northridge 1994
Landers 1992	San Juan Capistrano 1812	El Centro 1940	