

	Earthquakes and Mathematics	<i>Worksheet</i>
1	Write the following numbers as logarithms to the base 10. (a) 1000 (b) 1000000 (c) 0.001 (d) 0.1 (e) 0.000001 (f) 1	
2	Use a calculator to write the following numbers as logarithms to the base 10. (a) 152 (b) 467 (c) 1 132 567 (d) 1 995 262 (e) 17 (f) 0.00145	
3	Use a calculator to find out how much stronger than an earthquake of magnitude 6 is each of the following earthquakes; (a) The 1995 Kobe earthquake of magnitude 7.2 (b) The 1999 Turkish earthquake of magnitude 6.9 (c) The 2005 Pakistan earthquake of magnitude 7.6	
Home work	Use the web to find details of five earthquakes. Calculate how much stronger is each of your earthquakes than the magnitude of your weakest earthquake.	