Earthquake Measurement

2 scales for measurement:

1. Mercalli Intensity Scale
   * 1. Rates the damage done to humans and infrastructure
     2. Goes from 0 (no destruction) to 10 (total destruction)

This scale is subjective and depends on:

* Size of earthquake
* Distance from populated areas
* Stability of ground
* Stability of structures and buildings
* Terrain

1. The Richter Magnitude Scale

* Describes the motion and energy released at the source of the earthquake
* Is a Log based 10 scale

Diagram:

Based on the longest wave on the seismogram

To calculate magnitude the epicenter must be calculated