

☆ Q and A ☆

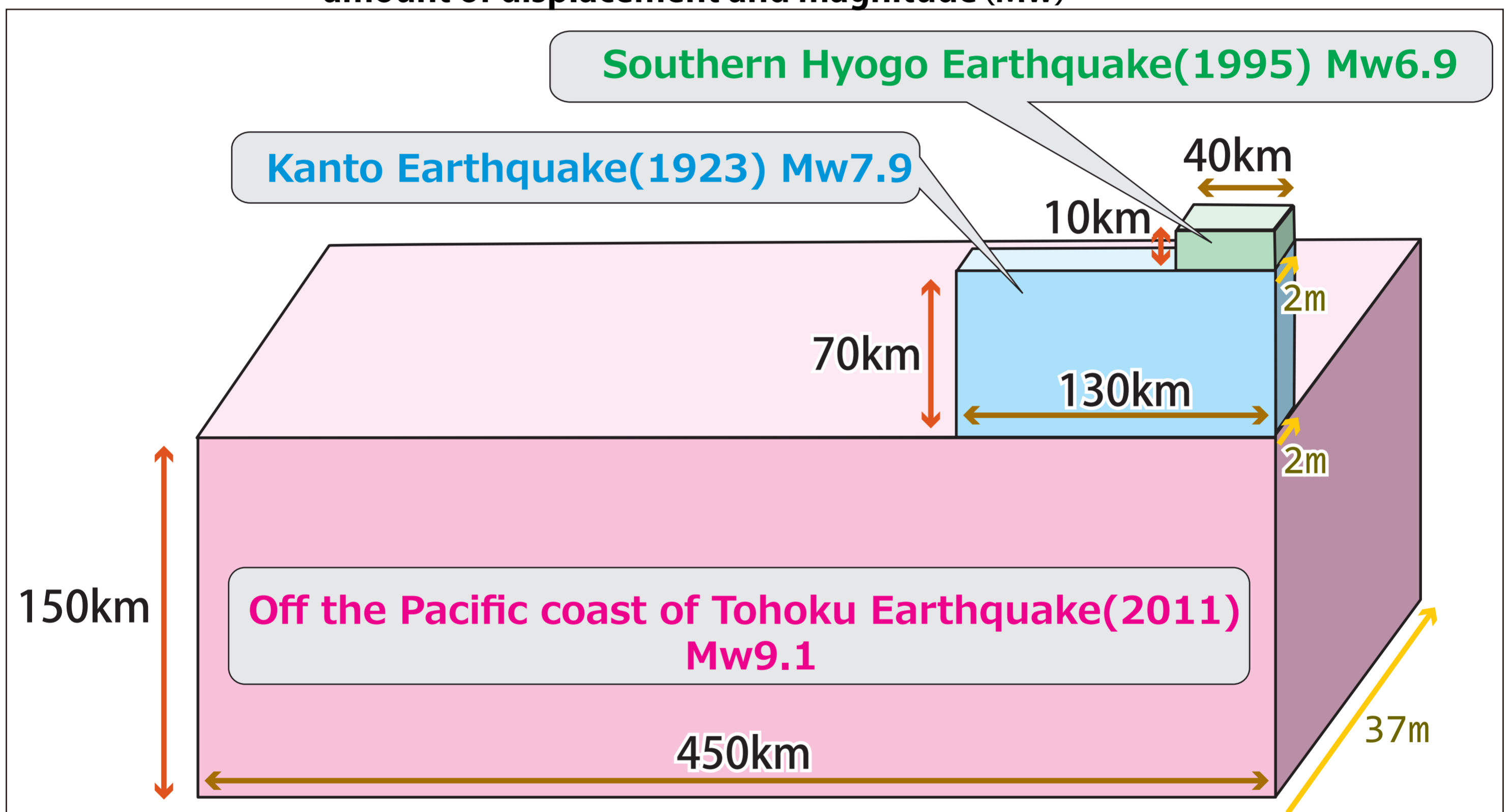
Q

How is the magnitude value determined?

A

There are many ways to calculate the magnitude. The figure below shows the area of the source fault and the amount of deviation. This is an example of the calculated magnitude value.

Area of earthquake source faults of major earthquakes, amount of displacement and magnitude (Mw)



created based on "New Stage earth science picture book"

The above calculation method is the moment magnitude (Mw).

In Japan, the Japan Meteorological Agency Magnitude (Mj) is mainly used. However, Due to the drawback that the magnitude value and the magnitude of the earthquake do not correspond well When it comes to a huge earthquake, Moment magnitude (Mw) is also used.

