



## Measure the height of a tree using a home-made clinometer...

Make a clinometer with a protractor, a tube, some string and a weight.

*What could you use as a weight? Perhaps a stone?*

Stand a certain distance from the tree you are measuring (e.g. 10m).

Measure the angle to the top of the tree by holding the clinometer to your eye and pointing it at the top of the tree.

*The weight will make the string demonstrate the angle.*

Draw a scaled drawing to find the height.

Don't forget to include the height at which you held the clinometer.

