

# How to Estimate the Height of a Tree

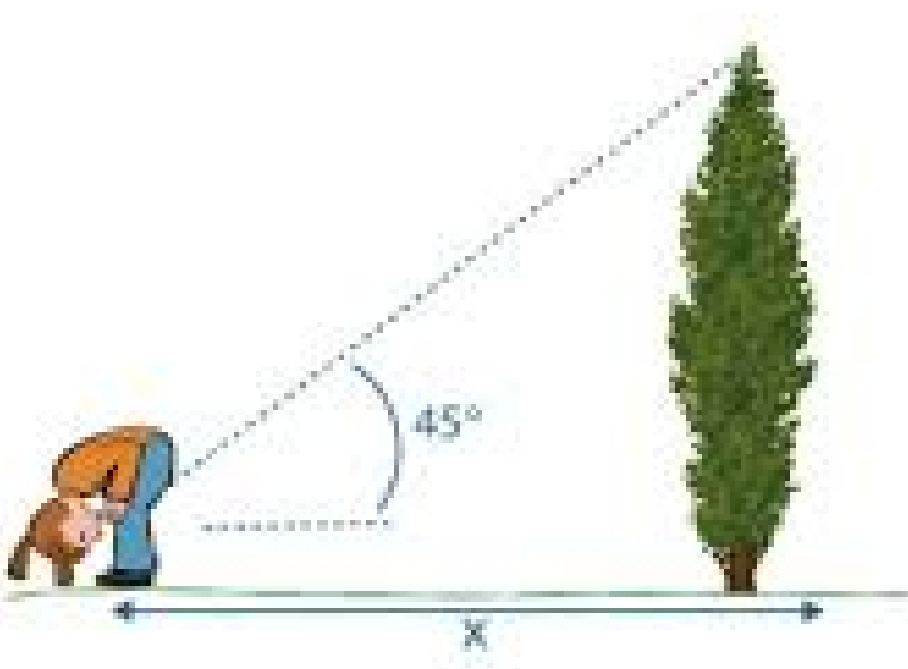
## Estimate

Compare the height of the tree to a known object. If your partner is 160cm tall, is the tree 5 times as high? Then use your multiplication skills,  $160 \times 5$

## Look through your legs

Starting at the base of the tree, walk as far away from the tree as you estimate the height to be (so if you think the height is 3m then walk 3m away from the tree. Stand with your back to the tree, bend over and look through your legs. You want to see just see the top of the tree. You will need to move towards or away from the tree until you are just able to see the tree top.

The distance you are from the centre of the trunk is the tree's height.



# How to Estimate the Height of a Tree

Use a pencil and a pal

Hold a pencil up arm's length, with the sharpened tip at the top of the tree. Hold the bottom end of the pencil. Now move your thumb until it is level with the ground, while keeping the tip on the top of the tree.

Carefully, only moving your hand, turn the pencil horizontally. Line your thumb up with the centre of the trunk on the ground. Get your partner to move out from the tree until their feet are at the tip of the pencil – without walking towards or away from you, only sideways.

The distance from their feet to the trunk is the height of the tree.

