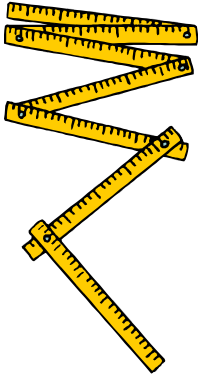


How tall is the White Ash tree?

White Ash tree
Sapling Activity
Tree location



Try this:

- Measure the length of the White Ash's shadow on a nice sunny day. Place the end of your measuring tape at the base of the tree's trunk and, with the help of your friend or parent, walk the measuring tape out to the tip of the shadow. Record the length on your paper.
- Next measure your shadow. Stand next to the White Ash and have your friend or parent measure from your feet to the tip of your shadow. Make sure you measure

yourself at the same time as you measure the tree's shadow. Record your shadow's height on your paper.

- Measure your height to see how tall you are and record your height. Now that you have all your numbers, get your calculator ready! Take your three measurements:

*The length of the tree's shadow

*The length of your shadow

*Your height

Ready? Here's how you can find the height of this White Ash tree. Divide the length of the tree's shadow by the length of your own shadow. Multiply the answer that you get by your height.

$$\text{Your height} \times \frac{\text{Trees shadow}}{\text{Your shadow}} = \text{Tree's Height}$$

Materials:

Measuring tape

Calculator

Pencil/pen

Paper

Source: www.lpb.org/programs/forest/talltree.html

Picture Source- Microsoft Word Clip Art 2002

MDS'04

