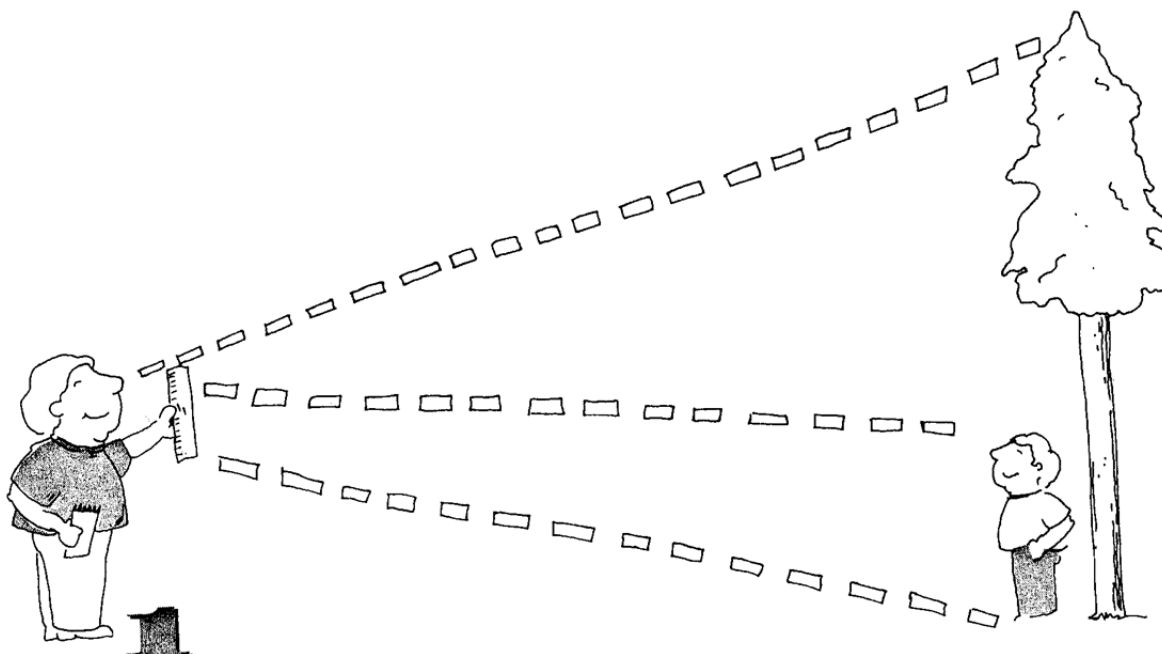# Proportional Method of Measuring Trees

*How Big is Your Tree?*

## Determine the height your tree

1. Have a friend stand with their back to the tree.

2. Hold a ruler at arm's length from your eye and walk backwards until the entire tree fits in 10" of the ruler.  Your friend will only appear to be a few inches tall.



3. Note where the top of student's head appears on ruler. _____ inches.

4. Divide the 10" of the ruler by the apparent height of your friend.  10/____ inches= _____ inches.

5. Measure the actual height of your friend. _____ inches.

6. Multiply your friend's height by the value from #4. _____ inches x _____ inches = _____ inches.

7. Divide your answer by 12 to get the height of the tree in feet. _____ inches/12=_____ feet.