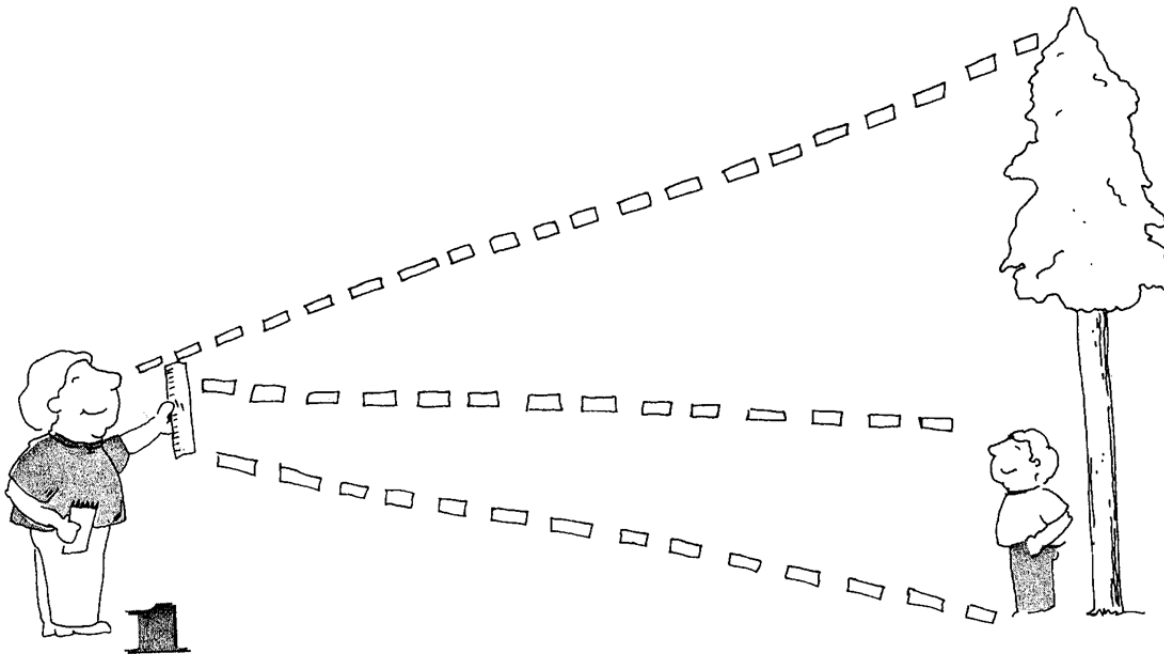


Proportional Method of Measuring Trees

Use with PLT Activity #67 "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. $10 / \text{____ inches} = \text{____ inches}$.
5. Measure the actual height of your friend. ____ inches.
6. Multiply your friend's height by the value from #4. $\text{____ inches} \times \text{____ inches} = \text{____ inches}$.
7. Divide your answer by 12 to get the height of the tree in feet. $\text{____ inches} / 12 = \text{____ feet}$.