

NAME: Student 1: _____ Student 2: _____

Exercise 1: Measuring Approximate Height of a Tree

Instructions:

1. Student 1 stand with your back towards a tree, bend over and look between your legs, move back or forth, till you can see the top of your tree
2. Student 2 measure the distance between student 1 and the tree = (_____)



Your biggest step is approximately 1 meter - count your steps from student 1 to the tree

3. Student 2 measure the length of one leg of the student 1 = (_____)
4. Add to the two measurements together

Leg _____ + Distance _____ = _____ Height

Exercise 2: Determining the Approximate Age of the Tree

Instructions:

1. Student 1 use the measuring tape to measure the distance from the ground to the height of the 150 cm (1.5m) above the ground
2. Student 2 hold your finger at that height on the tree trunk
3. Student 1 measure the girth (circumference) of the tree trunk using the measuring tape at the level where the student 2 is holding their finger. The Girth = (_____ cm)

On average the tree grows 2.5 cm per year wide

4. Take the measurement of the tree girth in centimetres and divide by 2.5

(Girth) _____ cm \div 2.5 = _____ Age of the Tree