Tree maths challenge

Name of tree; ………

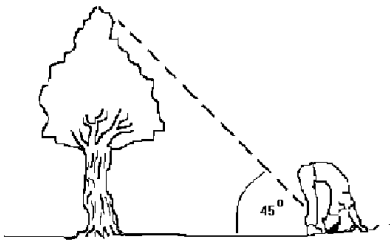**Age of tree;** …………………………………………………
How to estimate the age of a tree;
1. Measure the circumference of the trunk in centimetres 1m from the ground.
2. Divide the circumference by 2 to get an estimate of the tree's age.

Height of tree; ………………………………………

How to estimate the height of a tree;
1. Start by standing next to the tree.
2. Walk in a straight line away from the tree.
3. Every five strides, stop, bend over and look back through your legs at the tree.
4. Stop when you can see the very top of the tree, as shown in diagram below.

5. The distance you are from the tree is roughly equal to its height.
6. Count the number of strides back to the tree from this point.
7. Each stride is approximately 50cm.
8. Number of strides x 50 = height of tree (cm)

Radius of this tree's canopy; ……………………   **Diameter of this tree's canopy;**……………………………

Circumference of this tree's canopy; ………………………………………..

Area of a leaf from this tree; ………………………………………..

Note (or draw) anything else interesting about your tree here or on the back of this sheet;