STINENT PAGE How Big Is That Tree?

NAME

ESTIMATING TREE HEIGHT

METHOD 1

- 1. Have a friend stand at the tree's base.
- 2. Hold a ruler at arm's length and walk backward, keeping your arm stiff, until the top and bottom of the ruler line up with the top and bottom of the tree.

5. Multiply your friend's actual height by your answer to number 4:

- 3. Note where the top of your friend's head appears on the ruler (for example, at 2 in or 5 cm).
- 4. Divide the length of the ruler by this number.

METHOD 2

- 1. Measure the length of the tree's shadow and measure the length of your shadow, both in inches (cms).
- 2. Calculate the height of the tree using this formula:

DATE

height of tree = <u>length of tree's shadow x your height</u> length of your shadow

