

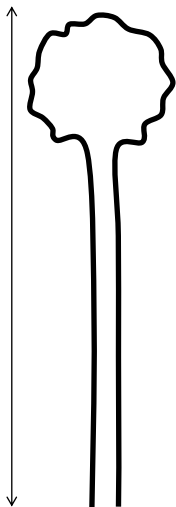


JUNGLE LIFE CAMP

NATURE OLYMPICS

KHAO SOK	Result	Plant	Fun fact
Tallest tree	46.8m	Dipterocarpus	If you fell out you would hit the ground at over 100km/h
Thickest trunk	11.24m	Cha muang	You would need about 7 people to give this tree a hug
Longest leaf	57 times the width	Pandanus	These are about the same dimensions as a long chopstick
Biggest leaf	10,150cm ²	Banana	This is bigger than 16 A4 sheets of paper

MY RESULTS	My prediction	Result	Plant name or description
Tallest tree			
Thickest trunk			
Longest leaf			
Biggest leaf			



Tallest tree

Shadow method:

$$\text{tree height} = \frac{\text{person's height} \times \text{tree shadow}}{\text{person's shadow}}$$

Ruler method:

$$\text{tree height} = \frac{\text{person's height (real)} \times \text{tree height (on the ruler)}}{\text{person's height (on the ruler)}}$$

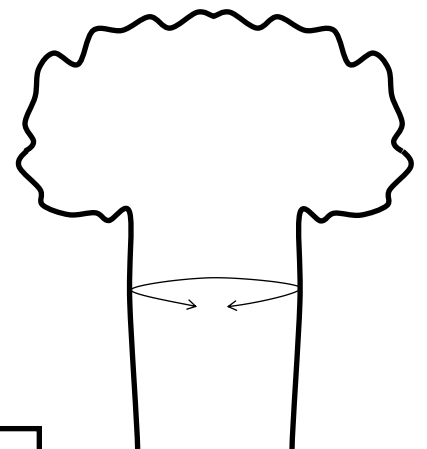
Triangle method:

$$\text{tree height} = \text{distance from tree} + \text{height of eye}$$

Clinometer method:

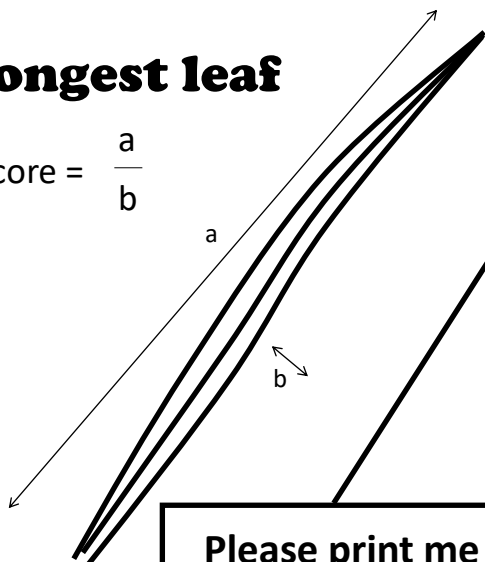
$$\text{tree height} = \tan(\text{angle}) \times \text{distance from tree} + \text{height of eye}$$

Thickest trunk



Longest leaf

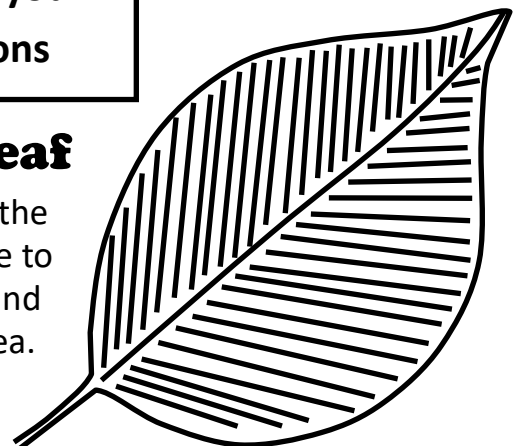
$$\text{score} = \frac{a}{b}$$



Use the back of this page to do your calculations

Biggest leaf

Use the grid on the back of this page to draw your leaf and calculate the area.



Please print me double sided!

If your leaf is too big to fit on the grid, measure the height and width of the leaf and divide them both by the same number to give new distances that can fit inside the grid. Mark this new height and width below before copying the shape of the leaf and counting the squares it occupies. Don't forget to multiply your answer by the number you initially divided by twice.

