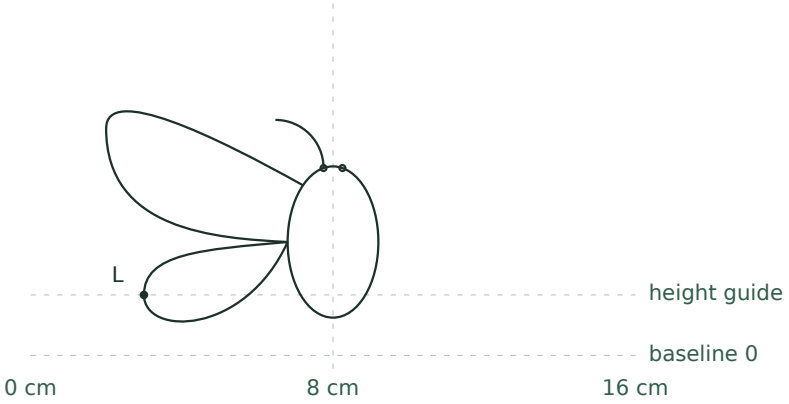
Moth Outline Drawing: Wing Symmetry and Antenna Placement

EXERCISE 1 / PRACTICE

A moth drawing has a midline at 8 cm on a 16 cm wide paper. The left hindwing widest point is 5 cm left of midline. Where is the mirrored right hindwing widest point?



L: 5 cm left of midline. Add the mirrored right hindwing point.

The task does not give numeric vertical heights. Vertical placement in the illustration is chosen only for layout: each mirrored point must copy its left partner's height.

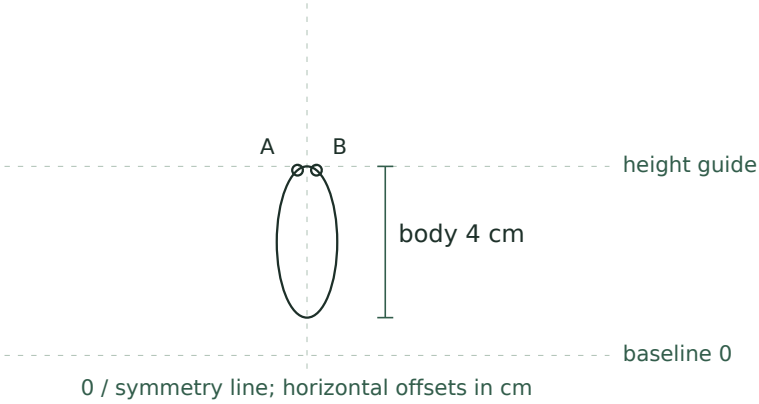
My mirrored positions / answer: _____
My measured symmetry check: _____

Measured guide scale 1:2 at 100% Actual Size: 1 stated cm is 5 mm on paper. Double measured paper lengths to recover task values. Keep counts and angles unchanged.

Moth Outline Drawing: Wing Symmetry and Antenna Placement

EXERCISE 2 / PRACTICE

The body height is 4 cm. Using the hypothetical guide of half the body height, how long should each antenna be, and where do they attach?



A and B mark body-top attachments: add two curves and record their lengths.

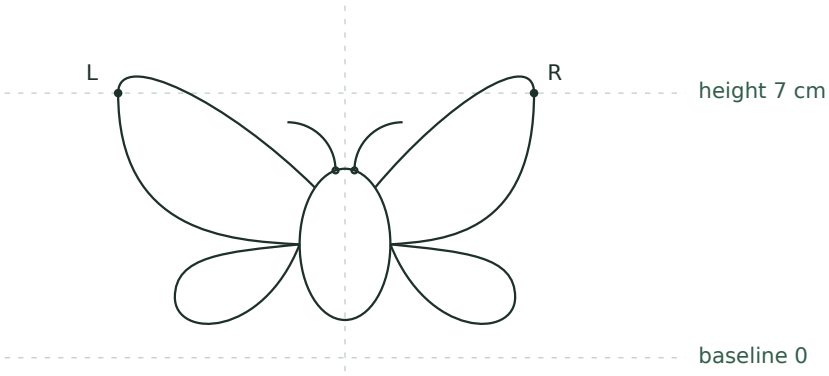
My antenna curve lengths: _____
My attachment and along-curve check: _____

Measured guide scale 1:2 at 100% Actual Size: 1 stated cm is 5 mm on paper. Double measured paper lengths to recover task values. Keep counts and angles unchanged.

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EXERCISE 3 / PRACTICE

A student draws the left forewing tip 6 cm left of midline and 7 cm above baseline, but the right tip is 5 cm right of midline and 7 cm above baseline. Is the outline symmetric by the measured-point convention?



0 / symmetry line; horizontal offsets in cm

Given: left 6 cm / right 5 cm.

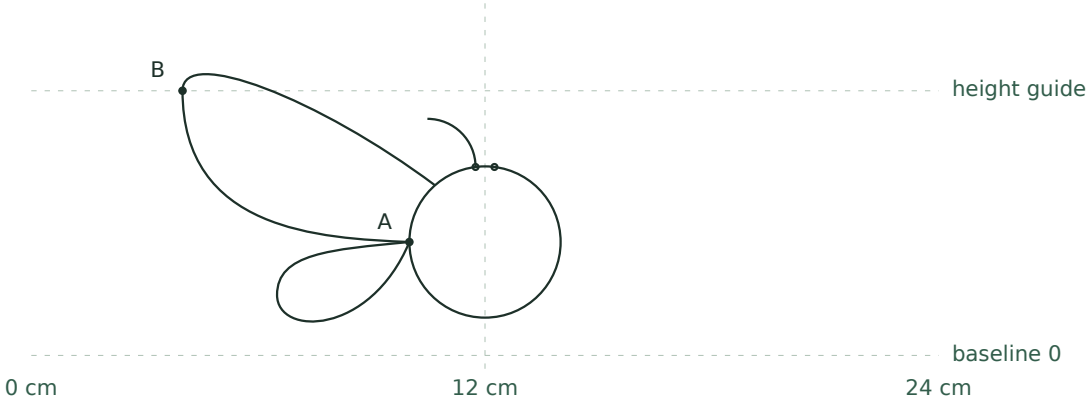
My mirrored positions / answer: _____
My measured symmetry check: _____

Measured guide scale 1:2 at 100% Actual Size: 1 stated cm is 5 mm on paper. Double measured paper lengths to recover task values. Keep counts and angles unchanged.

Moth Outline Drawing: Wing Symmetry and Antenna Placement

EXERCISE 4 / PRACTICE

On a 24 cm wide paper, midline is at 12 cm. The left forewing root is 2 cm left of midline and the left tip is 8 cm left of midline. List the mirrored right root and tip positions and one check.



A: root 2 cm left; B: tip 8 cm left. Complete the right half.

The task does not give numeric vertical heights. Vertical placement in the illustration is chosen only for layout: each mirrored point must copy its left partner's height.

My mirrored positions / answer: _____
My measured symmetry check: _____

Measured guide scale 1:2 at 100% Actual Size: 1 stated cm is 5 mm on paper. Double measured paper lengths to recover task values. Keep counts and angles unchanged.