Sunfish Drawing: Disc Body and Fin Layout

Original task 1 / independent drawing and calculation

Task 1

On a baseline, draw a disc body 6 cm wide and 6 cm tall. Place a horizontal midline 3 cm above the baseline. Mark a small mouth at the front edge, 1 cm above the horizontal midline. Place the eye about 0.3 cm above the mouth center and about 0.6 cm behind it. Where is the eye center relative to the horizontal midline?

Keep the original task measurements. Use the full drawing sheet in this PDF for a response needing more room; use the stated paper size when a task specifies larger paper.

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Original task 2 / independent drawing and calculation

Task 2

A drawing has a disc body 10 cm wide and 9 cm tall. The dorsal fin runs from 6 cm to 9 cm along the top. Where should the anal fin start and end to mirror it?

Keep the original task measurements. Use the full drawing sheet in this PDF for a response needing more room; use the stated paper size when a task specifies larger paper.

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Original task 3 / independent drawing and calculation

Task 3

A student places the caudal fin at 4 cm from the left edge on a body that ends at 8 cm. Is this correct? Explain.

Keep the original task measurements. Use the full drawing sheet in this PDF for a response needing more room; use the stated paper size when a task specifies larger paper.

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Original task 4 / independent drawing and calculation

Task 4

Draw a sunfish layout with a body 7 cm wide and 7 cm tall. The dorsal fin is 2 cm long starting at 4 cm from the left edge. The anal fin is 2 cm long starting at 4 cm from the left edge. The caudal fin is centered at 7 cm from the left edge. List one valid alternative in fin shape and one invalid change in fin position, and explain each using the fin-position convention.

Keep the original task measurements. Use the full drawing sheet in this PDF for a response needing more room; use the stated paper size when a task specifies larger paper.

Full drawing sheet / reusable blank workspace

Reusable full drawing sheet for Tasks 1 to 4. Print another copy when needed. Keep all original task measurements; if a task specifies larger paper, use that paper size.