Drawing Animals with Ellipse Scaffolds: Body and Head Construction

Original task 1 / independent drawing and calculation

Task 1

Draw a body ellipse 8 squares wide and 5 squares tall. Add a head ellipse 4 squares wide and 3 squares tall with a 1-square overlap. Add two front limb ellipses each 1 square wide and 3 squares tall. Measure the head-to-body width ratio.

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 learner draws a body ellipse 10 cm wide and 6 cm tall, and a head ellipse 5 cm wide and 4 cm tall with no overlap. Identify the main scaffold problem and state one fix using the same units.

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

Draw a generic animal using three ellipses: one body, one head, and one rear limb. The body is 7 squares wide and 4 squares tall. The head is 3 squares wide and 2 squares tall. The rear limb is 1 square wide and 3 squares tall. Check whether the limb is too wide relative to the head.

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

On a grid, place a body ellipse 9 squares wide and 6 squares tall. Place a head ellipse 4 squares wide and 3 squares tall with a 2-square overlap. Add four limb ellipses each 1 square wide and 2 squares tall. Measure the head-to-body width ratio and the overlap as a fraction of head width.

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.