How to Draw a Snake Worksheet: Coil and Head Construction

Original task 1 / independent drawing and calculation

Task 1

Draw a coil with three turns and a widest gap of 1.5 cm. Attach a head whose length is 2 cm. Check the neck connection and state whether the head size is within the suggested range.

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 four coil turns, but the second and third turns touch. The head length is 1 cm and the widest gap is 2 cm. Identify two problems and give one fix for each.

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 snake whose head points toward the center of the coil. Then redraw it so the head points away from the coil. Describe the difference in the neck line.

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

Using a widest coil gap of 2.5 cm, choose a head length that is within the suggested range. State the length you chose and show the arithmetic. Then list one check you would perform on the finished drawing.

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.