Flail Drawing: Chain Links and Hinged Head Construction

Original task 1 / independent drawing and calculation

Task 1

Draw a flail with a 12 cm handle, a chain of five links each 1.2 cm long, and a 3 cm head. Include a hinge and a motion arc. Label all four parts.

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

Draw a flail with a 9 cm handle and a 4-link chain. Each link is 1.5 cm long. The head is a short cylinder 2.5 cm wide. Show the hinge with a U-shaped bracket and pin. Add a motion arc.

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 flail with a 14 cm handle and a chain of six links. Use a hypothetical link length of 1 cm. Add a spiked head 3 cm wide with three spikes. Draw the motion arc and label the hinge.

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 flail with a 10 cm handle and a chain of four links. Each link is 1.5 cm long. The head is a rounded cube 3 cm wide. Show the hinge as a circle with a pin line. Add a motion arc with an arrowhead. Label handle, chain, hinge, and 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.

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.