Draw a Multi-Head Hydra: Body Mass and Head Placement

Original tasks 1, 2 / independent work

Task 1

A body mass is 15 cm wide. Using the three-head-width convention, find head width and neck thickness at one-third head width.

Task 2

A shoulder zone is 9 cm long and each neck origin needs 1.5 cm spacing. How many necks fit?

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Original tasks 3, 4 / independent work

Task 3

A hydra has 4 heads. If each neck is 6 cm long and the body mass is 10 cm tall, what is the total vertical span from body bottom to the highest head circle if one head circle sits 2 cm above its neck end? Use hypothetical values.

Task 4

You plan 5 necks with 1.2 cm spacing per origin. What minimum shoulder zone length is needed?