Animal Anatomy for Drawing: Mapping Joints and Muscle Groups

Original tasks 1, 2 / independent work

Task 1

A rear limb spans 4 x-height units from hip to ground. The thigh mass covers 1.5 units. Where is the knee placed, and what lower portion remains?

Task 2

A front limb has shoulder at 0, elbow at 1, and wrist at 2.5 x-height units above ground. What is the forearm length, and how many joint marks lie between shoulder and ground?

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Original tasks 3, 4 / independent work

Task 3

A torso midline is 2 x-height units above baseline. A shoulder mass spans 0.8 units vertically and starts at the midline. What is its lower edge height above baseline?

Task 4

You label six muscle groups A through F and eight joints 1 through 8. Each joint must connect to at least one mass. If joints 1, 2, and 3 connect to mass A, how many joints remain to be assigned?