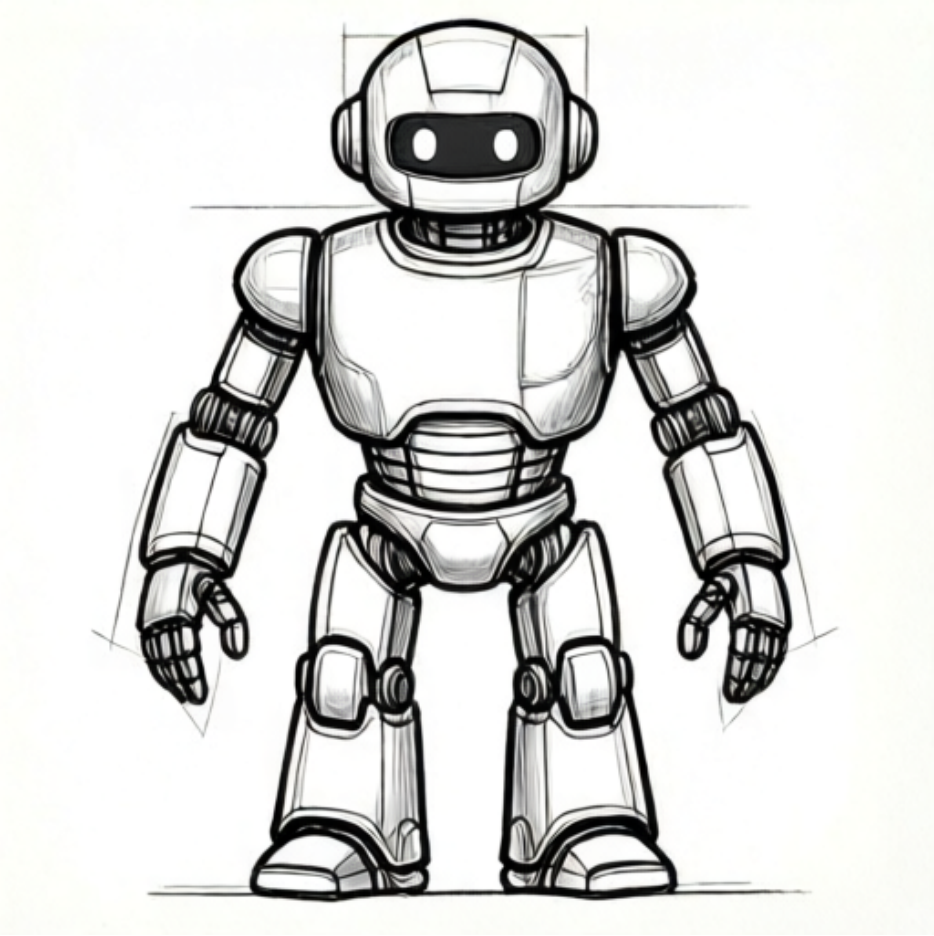
Astrobot Drawing: Head and Limb Placement Construction

Topic reference / ordinary illustration



Ordinary topic reference. Hypothetical dimensions in the four tasks are supplied in their own text; this illustration is not their measured answer.

Astrobot Drawing: Head and Limb Placement Construction

Worked example / complete source key

Using a 20 cm by 28 cm paper with a 2 cm border and a 1 cm unit, place a head zone three units wide and three units tall, centered, with its top two units below the top border. Then place a torso four units wide and five units tall with a one-unit neck gap. Where is the torso top relative to the top border?

Answer: The head zone top is 2 cm below the top border. The head zone is 3 cm tall, so its bottom is 5 cm below the top border. The neck gap is 1 cm, so the torso top is 6 cm below the top border. The torso is centered and 4 cm wide, leaving equal side margins within the 16 cm construction width after the 2 cm borders.