Contour Line Robot Drawing: Single-Weight Outline Practice

Original task 1 / independent drawing and calculation

Task 1

Draw a robot with a head box 2 squares wide and 2 squares tall, a torso box 3 squares wide and 3 squares tall, and four limb segments each 1 square wide and 2 squares tall. Use joint circles at shoulders, elbows, hips, and knees, and a neck gap of half a square. One square equals a hypothetical 1 cm. What is the total height in squares and in centimeters?

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.

Contour Line Robot Drawing: Single-Weight Outline Practice

Original task 2 / independent drawing and calculation

Task 2

A robot drawing has a head box 3 squares wide, a torso 4 squares wide, and each limb segment 1 square wide. If one square equals a hypothetical 2 cm, what is the total width across the shoulders if the upper arms are attached directly beside the torso with no gap?

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.

Contour Line Robot Drawing: Single-Weight Outline Practice

Original task 3 / independent drawing and calculation

Task 3

Draw a robot variant where the head is 2 squares wide and 2 squares tall, the torso is 2 squares wide and 4 squares tall, and each limb segment is 1 square wide and 3 squares tall. Use a neck gap of 1 square. What is the total height in squares?

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.

Contour Line Robot Drawing: Single-Weight Outline Practice

Original task 4 / independent drawing and calculation

Task 4

A student draws a robot with a head box, torso box, and limb rectangles but uses a thicker line around the head and thinner lines elsewhere. They also leave a gap between the torso and one upper arm that is not at a joint circle. Identify two fixes that make the drawing meet the single-weight contour convention.

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.