Zookeeper Drawing: Uniform, Tools, and Pose Construction

Original task 1 / complete key

Task 1

A figure is six head units tall. Each head unit is 4 cm. What is the total height in cm?

Answer: 24 cm.

Reason: Multiply the number of head units by the size of one head unit: 6 × 4 = 24.

Check: Reverse the multiplication: 24 ÷ 6 = 4, which matches the head unit.

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Original task 2 / complete key

Task 2

A pocket flap is two x-heights tall. Your x-height is 1.5 cm. What is the flap height in cm?

Answer: 3 cm.

Reason: Multiply the number of x-heights by the x-height size: 2 × 1.5 = 3.

Check: Divide the answer by 2: 3 ÷ 2 = 1.5, which matches the x-height.

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Original task 3 / complete key

Task 3

A scoop handle is five x-heights long. Your x-height is 2 cm. The hand grips the middle of the handle. How far is the grip point from one end in cm?

Answer: 5 cm.

Reason: The handle length is 5 × 2 = 10 cm. The middle is half the length: 10 ÷ 2 = 5 cm.

Check: Add the two halves: 5 + 5 = 10 cm, which matches the handle length.

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Original task 4 / complete key

Task 4

A belt is one x-height wide. Your x-height is 1.2 cm. You draw two belts side by side with a gap of 0.6 cm between them. What is the total width in cm?

Answer: 3 cm.

Reason: Each belt is 1.2 cm wide. Two belts are 1.2 + 1.2 = 2.4 cm. Add the gap: 2.4 + 0.6 = 3 cm.

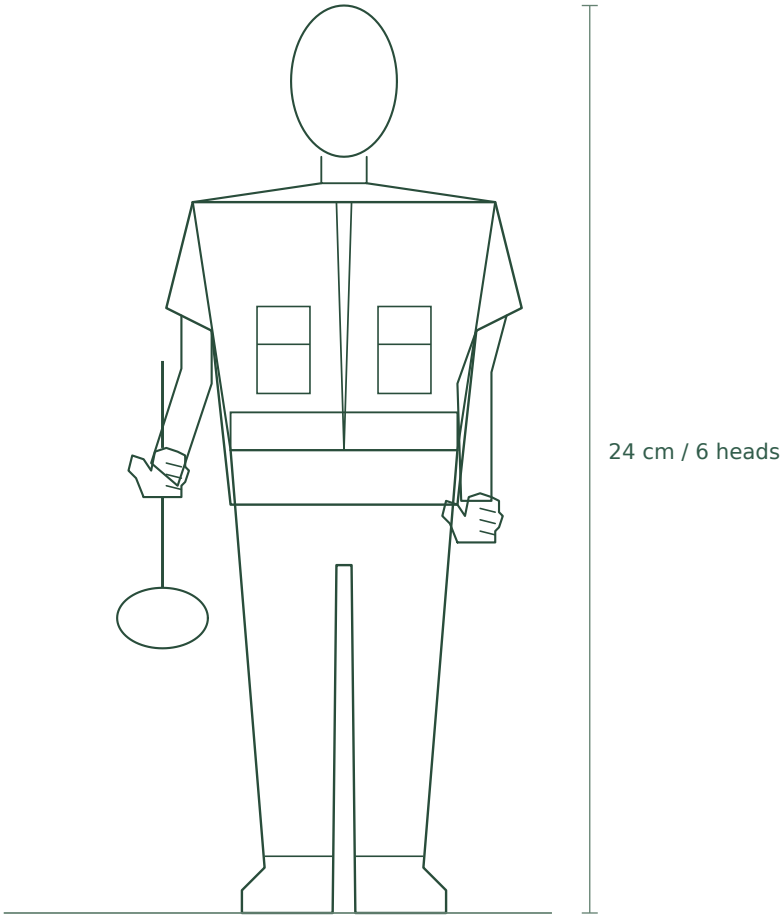
Check: Subtract the gap from the total: 3 − 0.6 = 2.4 cm, which is two belts of 1.2 cm.

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Task 1 / answers

Zookeeper / chosen head units and handwriting x-height / two vest pockets / source-specific measurements

scoop / clear of face



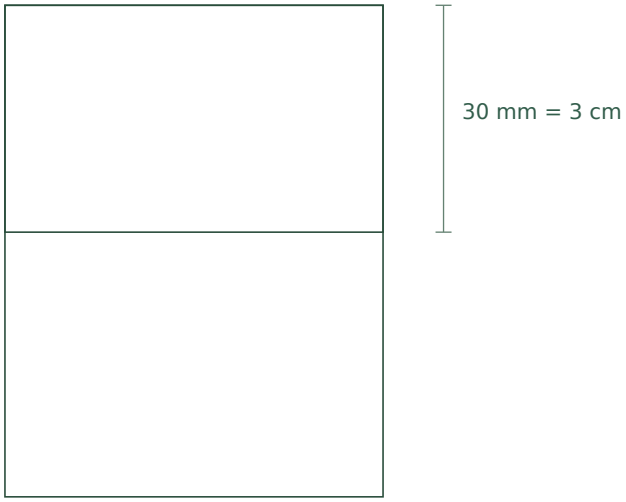
Print 1:2. Two pockets only; flap height = 10 mm in worked labels.

The worked model uses eight 3 cm heads = 24 cm; Task 1 separately uses six 4 cm heads = 24 cm. The two hypothetical constructions must not be conflated. Worked shoulders are 6 cm, hips 4.5 cm, belt and pocket flaps 1 cm. Handle ends remain below the face, palm hides its central segment, thumb is opposite fingers. Measures are chosen classroom values, not body or equipment standards.

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Task 2 / answers

Zookeeper / chosen head units and handwriting x-height / two vest pockets / source-specific measurements

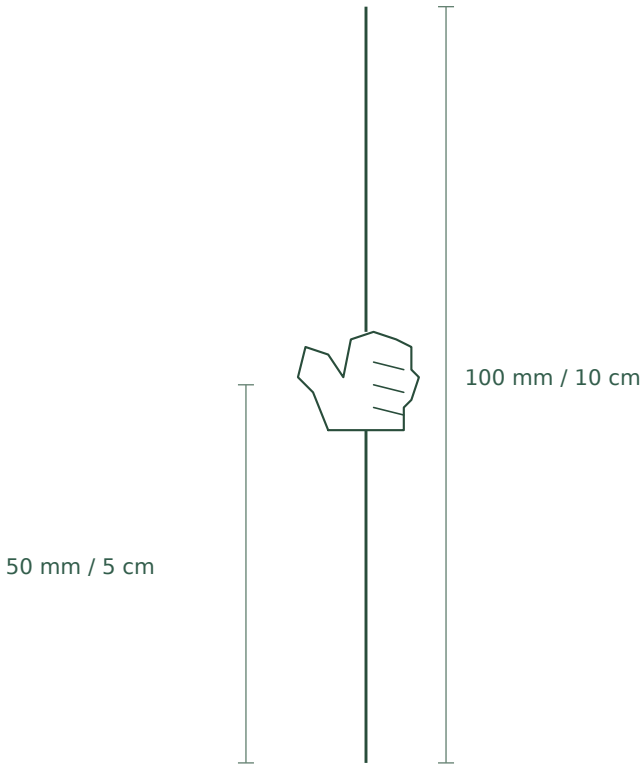


Only the required pocket-flap detail is enlarged. Two handwriting x-heights: 2 x 15 mm = 30 mm = 3 cm. The remaining pocket width and lower height are selected illustration dimensions, not additional source givens.

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Task 3 / answers

Zookeeper / chosen head units and handwriting x-height / two vest pockets / source-specific measurements



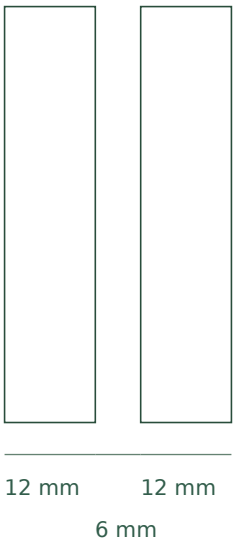
Task 3: five x-heights of 2 cm give a 10 cm handle. The middle is 5 cm from either end. Split visible shaft segments end at the overlying palm; the full 100 mm extent and midpoint are measured by the separate dimension axis, not a hidden line through the hand.

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Task 4 / answers

Zookeeper / chosen head units and handwriting x-height / two vest pockets / source-specific measurements

12 + 6 + 12 = 30 mm = 3 cm



The original side-by-side width calculation is shown as two vertical belt strips. Their lengths are selected; only each 12 mm width and the 6 mm gap are given. No handwriting style or equipment standard is imposed.

Zookeeper Drawing: Uniform, Tools, and Pose Construction

Source rubric / reflection

- [ ] Pose: feet on baseline, head centered, limb blocks stable.
- [ ] Proportion: head unit repeated consistently; shoulder and hip widths checked.
- [ ] Uniform order: shirt, vest, belt, trousers, boots, then pockets and badges.
- [ ] Small features: sized by the drawer's own x-height; numbers labeled as examples.
- [ ] Tool handling: handle passes through the palm, thumb opposite fingers, wrist not sharply bent.
- [ ] Hand agreement: both hands the same size; tool clears the face.
- [ ] Valid alternatives: different letter styles and tool choices are accepted if the checks pass.

Reflection: What did you check, what did you change, and what will you try next?