Draw a Boy Figure: Proportion Guides and Pose Practice

Original tasks 1, 2, 3 / complete keys

Task 1

A boy is planned at five head units tall. The head unit is 4 cm. Find the total height and the midpoint distance from the top.

Answer: Total height = 5 × 4 cm = 20 cm. Midpoint = 20 cm ÷ 2 = 10 cm from the top.

Reason: Multiply the number of units by the unit length. Divide the total by two for the midpoint.

Check: Measure 4 cm on the paper, repeat five times, and confirm the 10 cm midpoint mark.

Task 2

A boy is planned at seven head units tall. The head unit is 2.5 cm. The shoulder line is placed 3.75 cm below the top. Is the shoulder line at one and a half head units? Show the arithmetic.

Answer: One and a half head units = 1.5 × 2.5 cm = 3.75 cm. Yes, the shoulder line is at one and a half head units.

Reason: Multiply the head unit by 1.5 to find the expected shoulder distance, then compare it to the given value.

Check: Re-measure the head unit and multiply by 1.5. Confirm the shoulder mark matches 3.75 cm.

Task 3

A standing boy figure is 18 cm tall. The supporting foot is 9 cm to the right of the head center. Describe where to place the balance line and what to adjust if the hip bar is 2 cm left of the head center.

Answer: The balance line should run from the head center to the supporting foot, so it tilts right. If the hip bar is 2 cm left of the head center, shift the hip bar toward the balance line or adjust the supporting foot so the figure looks balanced.

Reason: Balance is checked by a vertical or near-vertical line from the head to the supporting foot. A hip bar far from that line suggests an unstable pose.

Check: Draw the balance line and measure the horizontal offset of the hip bar. Adjust by a small amount and recheck.

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Original tasks 4 / complete keys

Task 4

A walking pose uses a shoulder bar tilted 10 degrees and a hip bar tilted 10 degrees in the opposite direction. The upper arm is 5 cm and the lower arm is 4 cm. State one consistency check and one possible adjustment.

Answer: Check that the shoulder and hip bars tilt in opposite directions and that limb lengths are intentional. One adjustment is to lengthen the lower arm by 1 cm if it looks too short against the upper arm, then recheck the total arm length.

Reason: Opposite tilts create a readable walking pose. Limb segments need not be equal, but differences should be deliberate and checked.

Check: Measure both arm segments against the head unit and confirm the tilt directions with a protractor or by eye.

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Source rubric / reflection

- [ ] Head unit is clearly marked and used consistently.
- [ ] Total height matches the chosen head-unit ratio.
- [ ] Shoulder, hip, knee, and ankle marks are placed and labeled.
- [ ] Balance line from head to supporting foot is visible.
- [ ] Limb lengths are compared to the head unit and adjusted intentionally.
- [ ] Pose is stable and readable without clothing detail.
- [ ] Valid alternative styles are accepted if construction checks are met.

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