Knee-Tuck Pose Drawing: Joint Landmarks and Limb Angles

Original tasks 1, 2 / complete keys

Task 1

On a page with a vertical midline and horizontal baseline, place a tucked hip cross 8 cm above the baseline and 1 cm left of the midline. Place the tucked knee cross 5 cm above the baseline and 4 cm left of the midline. Place the tucked ankle cross 2 cm above the baseline and 2 cm left of the midline. Draw the joint lines and state whether the knee cross is off the hip-to-ankle guide.

Answer: The knee cross is off the hip-to-ankle guide because the knee at 4 cm left is farther from the midline than both the hip (1 cm left) and ankle (2 cm left); the straight hip-to-ankle line stays between 1 and 2 cm left, so the knee cannot lie on it. The tucked leg shows a bend.

Reason: Compare the horizontal positions: hip is 1 cm left, ankle is 2 cm left, but knee is 4 cm left. The knee is farther left than both endpoints, so it cannot lie on the straight hip-to-ankle line.

Check: Draw a dashed line from hip cross to ankle cross. Confirm the knee cross is visibly to the left of that dashed line.

Task 2

A supporting leg has hip cross 10 cm above baseline and 2 cm right of midline, knee cross 6 cm above baseline and 3 cm right, ankle cross 2 cm above baseline and 4 cm right. A weight line from the shoulder area falls 1 cm right of midline. Is the weight line between the supporting ankle and a tucked ankle placed 2 cm left of midline? Explain.

Answer: Yes. The weight line at 1 cm right of midline lies between the tucked ankle at 2 cm left and the supporting ankle at 4 cm right.

Reason: The two ankle positions span from 2 cm left to 4 cm right. The weight line at 1 cm right is inside that span.

Check: Mark all three horizontal positions on the baseline: left 2, right 1, right 4. Confirm the middle value lies between the outer two.

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Original tasks 3, 4 / complete keys

Task 3

Using a hypothetical unit of 2 cm per head-height, a tucked leg has hip-to-knee distance 4 cm and knee-to-ankle distance 3 cm. A supporting leg has hip-to-knee distance 6 cm and knee-to-ankle distance 5 cm. Are both legs measured with the same unit? What is the total length of each leg in the stated unit?

Answer: Yes, both use 2 cm per head-height. The tucked leg totals 7 cm, and the supporting leg totals 11 cm.

Reason: Add hip-to-knee and knee-to-ankle for each leg: 4 + 3 = 7, and 6 + 5 = 11. Both sums use the same 2 cm unit.

Check: Re-add each pair and confirm the unit is written once in the margin and applied to both legs.

Task 4

A student labels a drawing with lowercase letters that rise 7 mm above the baseline while the stated x-height is 5 mm. The knee cross is correctly off the hip-to-ankle guide, and the weight line falls between the feet. Does the label size alone fail the rubric? What should the student do?

Answer: The label size alone does not fail the pose checks, but it fails the consistent x-height convention. The student should either measure and state a 7 mm x-height or resize the letters to the stated 5 mm.

Reason: The rubric requires a consistent x-height convention and legible labels. The pose checks pass, but the label convention is inconsistent with the stated value.

Check: Measure several lowercase letters from baseline to midline. Confirm they match the stated x-height, then recheck the knee guide and weight line.

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Source rubric / reflection

- [ ] Joint landmarks are marked with crosses and remain visible or clearly recorded.
- [ ] The tucked knee shows a visible bend; the knee cross is not collinear with hip and ankle.
- [ ] Both legs use the same stated unit, and measured distances are labeled.
- [ ] The supporting ankle is below the supporting hip, and the weight line falls between the feet.
- [ ] Labels follow a consistent x-height convention and are legible.
- [ ] Valid alternatives such as a tighter tuck, slight supporting-leg bend, or different label style are accepted if the checks above pass.

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