Realistic Tiger Drawing: Fur Texture and Facial Proportion

Original tasks 1, 2, 3 / complete keys

Task 1

A tiger head is 120 mm tall. The eye line is 40 mm below the skull top, and the nose pad is 40 mm below the eye line. The chin is 40 mm below the nose pad. Calculate each third as a fraction of head height and state whether the proportions match the one-third guide.

Answer: Each third is 40/120 = 1/3. The proportions match the guide.

Reason: Divide each measured distance by head height: 40/120 simplifies to 1/3. Since all three bands equal one-third, the grid is consistent.

Check: Add the three distances: 40 + 40 + 40 = 120 mm, which equals head height. Confirm each fraction is 1/3.

Task 2

On a practice square, a student draws 12 light-layer strokes and 24 dark-layer strokes. What is the density ratio of dark to light strokes, and is a 2:1 ratio reasonable for shadow contrast?

Answer: The dark-to-light ratio is 24/12 = 2:1. A 2:1 ratio is reasonable for shadow contrast.

Reason: Divide dark strokes by light strokes: 24/12 = 2. A 2:1 ratio means the shadow area has twice the stroke density, which supports contrast without solid filling.

Check: Re-count strokes in the same square. If the ratio is close to 2:1, the contrast check passes; adjust spacing if it is far from 2:1.

Task 3

A student samples ten fur strokes: six follow the marked flow arrows and taper, four do not. Using the eight-of-ten check, state whether the fur direction passes and give one specific fix.

Answer: The fur direction does not pass because only six of ten strokes follow the convention, below the eight-of-ten check. Fix: re-mark the flow arrows and redraw the four non-following strokes as tapered strokes along the correct direction.

Reason: The check requires at least eight of ten strokes to follow the arrows and taper. Six is below eight, so the sample fails. The fix targets the four strokes that do not follow the convention.

Check: After redrawing, sample ten strokes again and count. If at least eight follow the arrows and taper, the check passes.

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Original tasks 4 / complete keys

Task 4

A tiger head study scores 2 for proportion, 3 for fur direction, 2 for stripe integration, and 2 for clarity. The rubric total is out of 12, and a score of 8 or higher is solid. Calculate the total and state one adjustment to improve the weakest categories.

Answer: Total = 2 + 3 + 2 + 2 = 9, which is solid. One adjustment: improve proportion and stripe integration by re-measuring the head thirds and rebuilding stripe edges with tapered strokes.

Reason: Add the four category scores: 2 + 3 + 2 + 2 = 9. Since 9 is at least 8, the study is solid. The weakest categories are proportion and stripe integration, each at 2, so the adjustment targets those.

Check: Re-score after adjustment. Confirm the total remains at least 8 and that the weakest category improves by at least one point.

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Source rubric / reflection

- [ ] Proportion: three head-height thirds are close to equal; eye-to-nose and nose-to-chin ratios are near one-third.
- [ ] Fur direction: at least eight of ten sampled strokes taper and follow the marked flow arrows.
- [ ] Stripe integration: stripe edges are tapered clusters that wrap with the head form, not solid blocks.
- [ ] Clarity: eye shape and nose pad remain readable; shading density varies between light and dark zones.
- [ ] Valid alternatives: cross-hatching in shadows is accepted if dominant stroke direction and taper are preserved.

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