# Blank Face Drawing: Proportion Guides for Feature Placement

Original tasks 1, 2, 3 / complete keys

Task 1

An oval is 80 mm tall. State the eye line distance from the crown and the nose and mouth line distances from the crown using the thirds convention.

Answer: Eye line 40 mm below crown; nose line 53.3 mm below crown; mouth line 66.7 mm below crown.

Reason: Half height is 40 mm. Lower half is 40 mm; one-third is 13.3 mm. Nose is 40 + 13.3 = 53.3 mm; mouth is 40 + 26.7 = 66.7 mm.

Check: Verify eye-to-nose, nose-to-mouth, and mouth-to-chin segments are each about 13.3 mm and sum to 40 mm.

Task 2

An oval is 150 mm tall. A student marks the eye line 70 mm below the crown. Is this within 2 mm of the lesson convention?

Answer: No. The convention eye line is 75 mm below the crown; 70 mm is 5 mm off.

Reason: Half of 150 mm is 75 mm. The difference is 75 - 70 = 5 mm, which exceeds the 2 mm tolerance.

Check: Measure crown-to-eye and eye-to-chin; they should each be about 75 mm.

Task 3

An oval is 90 mm tall. The nose line is marked 20 mm below the eye line and the mouth line 35 mm below the eye line. Check the thirds convention and state adjustments.

Answer: Lower half is 45 mm; one-third is 15 mm. Nose should be 15 mm below eye line, mouth 30 mm below. Move nose up 5 mm and mouth up 5 mm.

Reason: 45 divided by 3 equals 15. The marked segments are 20 and 15, not equal thirds.

Check: Confirm eye-to-nose, nose-to-mouth, and mouth-to-chin are each about 15 mm after adjustment.

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Original tasks 4 / complete keys

Task 4

An oval is 100 mm tall. A student uses an alternative convention placing the eye line at 45 percent of height from the crown. Find the eye line distance and the remaining lower-half thirds.

Answer: Eye line 45 mm below crown; lower half 55 mm; nose line 63.3 mm below crown; mouth line 81.7 mm below crown.

Reason: 45 percent of 100 mm is 45 mm. Lower half is 55 mm; one-third is 18.3 mm. Nose is 45 + 18.3 = 63.3 mm; mouth is 45 + 36.7 = 81.7 mm.

Check: Verify the three lower segments are each about 18.3 mm and sum to 55 mm.

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Source rubric / reflection

- [ ] Oval is smooth, taller than wide, with crown and chin marked.
- [ ] Vertical midline divides the oval into two similar halves.
- [ ] Eye line is at half the measured oval height within 2 mm.
- [ ] Nose and mouth lines divide the lower half into three equal segments within 2 mm each.
- [ ] Guide lines are light and clearly labeled.
- [ ] No finished features, expression, or identity details are added.
- [ ] Any alternative convention is stated and arithmetically consistent.

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