Front Face Drawing: Symmetry and Feature Placement

Original tasks 1, 2, 3, 4 / complete keys

Task 1

A face height is 15 cm. Brow is at 5 cm from top, nose base at 10 cm from top. Where should the eye line be placed?

Answer: 7.5 cm from the top.

Reason: The eye line is halfway between brow and nose base: (5 + 10) / 2 = 7.5 cm.

Check: Measure from the top to the eye line; it should equal 7.5 cm and be equidistant from 5 cm and 10 cm.

Task 2

On a 12 cm face, the left eye center is 2 cm from the axis. Where should the right eye center be?

Answer: 2 cm from the axis on the right side.

Reason: Mirrored features must be equidistant from the symmetry axis.

Check: Measure both distances with a ruler; they should match within your chosen tolerance.

Task 3

The nose box is 2 cm wide and the outer eye span is 6 cm. The mouth box is 7 cm wide. Is the mouth box acceptable?

Answer: No. The mouth box should be wider than the nose box but narrower than the outer eye span, so it should be between 2 cm and 6 cm.

Reason: The placement rule compares widths: nose < mouth < outer eye span. 7 cm is wider than 6 cm, so it fails.

Check: Compare the three widths with a ruler; adjust the mouth box until it is between 2 cm and 6 cm.

Task 4

A sketch has the eye line at 7 cm from the top, brow at 4 cm, and nose base at 9 cm. Is the eye line correctly placed?

Answer: No. Halfway between 4 cm and 9 cm is 6.5 cm, so the eye line should be at 6.5 cm, not 7 cm.

Reason: Compute (4 + 9) / 2 = 6.5 cm. The sketch is 0.5 cm too low.

Check: Measure the eye line and compare to the computed halfway value; adjust if the difference exceeds your tolerance.

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Source rubric / reflection

- [ ] Symmetry axis is present and used as a guide.
- [ ] Eye centers are equidistant from the axis within the chosen tolerance.
- [ ] Eye line is halfway between brow and nose base.
- [ ] Nose box is centered on the axis with base at the nose-base guide.
- [ ] Mouth box is centered on the axis and wider than nose box but narrower than outer eye span.
- [ ] Features are sketched with a defined convention and valid alternatives are accepted if placement checks pass.

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