Gorilla Head Drawing: Brow, Muzzle, and Ear Construction

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

Task 1

A head guide is 10 units tall. The brow box top is 3 units from the top. What fraction of the head height is above the brow box?

Answer: 3/10 of the head height.

Reason: The brow box top is 3 units from the top out of 10 total units, so the fraction is 3 divided by 10.

Check: Measure the top-to-brow distance and the total head height; divide and compare with 0.3.

Task 2

A muzzle box is 4 units tall and its bottom is 2 units above the baseline. How far is the muzzle box top from the baseline?

Answer: 6 units.

Reason: Add the muzzle height to the bottom distance: 4 plus 2 equals 6 units from the baseline.

Check: Measure from baseline to muzzle top and confirm it equals muzzle height plus bottom gap.

Task 3

A head is 8 units wide. Ear ticks are placed 3 units from the midline on each side. How much width remains outside the ear ticks on each side?

Answer: 1 unit on each side.

Reason: Half the head width is 4 units. Subtract the 3-unit ear tick distance: 4 minus 3 equals 1 unit.

Check: Measure from each ear tick to the outer head edge and confirm both are equal.

Task 4

A brow box is 6 units wide and centered on a 9-unit-wide head. How wide is the gap on each side of the brow box?

Answer: 1.5 units on each side.

Reason: Subtract brow width from head width: 9 minus 6 equals 3 units total gap. Divide by 2 sides to get 1.5 units per side.

Check: Measure both side gaps and confirm they are equal and sum to 3 units.

Gorilla Head Drawing: Brow, Muzzle, and Ear Construction

Source rubric / reflection

- [ ] Brow box is centered and spans most of the face width.
- [ ] Muzzle box is centered, narrower than the brow, and below it with a clear gap.
- [ ] Ear ticks are level with or slightly below the brow and close to the cranium.
- [ ] Left and right placements are balanced against the midline.
- [ ] Construction marks are light and final lines emphasize brow, muzzle, and ears.
- [ ] Measurements use consistent units and are checked with simple arithmetic.

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