Draw a Don Julio Bottle: Tall Body, Cap, and Label Proportion

Original tasks 1, 2, 3 / complete keys

Task 1

A bottle drawing has total height 24 units. Using the lesson ratios, find body height, body width, and label height. Assume cap height is 1/12 of body height.

Answer: Body height = 18 units; body width = 6 units; label height = 6 units; cap height = 1.5 units.

Reason: Body height is 3/4 of 24 = 18. Body width is 1/3 of 18 = 6. Label height is 1/3 of 18 = 6. Cap height is 1/12 of 18 = 1.5.

Check: Multiply body height by 4/3 to recover total height: 18 × 4/3 = 24. Check body width × 3 = 18. Check label height × 3 = 18.

Task 2

A drawing has body height 12 units and label height 3 units. Is the label proportion correct according to the lesson? If not, what should it be?

Answer: No. The label should be about 4 units (one-third of 12).

Reason: Label height should be 1/3 of body height. 12 ÷ 3 = 4. The given 3 is too small.

Check: Divide label height by body height: 3/12 = 0.25, which is less than 0.33. Adjust to 4 units.

Task 3

A bottle has body width 5 units and label width 4 units. Is the label width proportion correct? What is the recommended label width if body width is 5 units?

Answer: Yes, 4 units is 80 percent of 5 units, which matches the recommendation.

Reason: Recommended label width is 80 percent of body width. 0.8 × 5 = 4.

Check: Divide label width by body width: 4/5 = 0.8. Confirm it is close to 0.8.

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Original tasks 4 / complete keys

Task 4

A drawing uses total height 16 units. The cap height is drawn as 2 units. Using the lesson ratio (cap height = 1/12 of body height), what should the cap height be? Is 2 units acceptable within a 10 percent tolerance?

Answer: Body height = 12 units; recommended cap height = 1 unit. 2 units is 100 percent larger, so it is not within 10 percent tolerance.

Reason: Body height = 3/4 × 16 = 12. Cap height = 1/12 × 12 = 1. A 10 percent tolerance allows 0.9 to 1.1 units. 2 units is outside.

Check: Compute 1/12 of body height: 12/12 = 1. Compare 2 to 1; difference is 1, which is 100 percent of 1.

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Source rubric / reflection

- [ ] Body height is about 3/4 of total height.
- [ ] Body width is about 1/3 of body height.
- [ ] Cap is centered and narrower than body, wider than neck.
- [ ] Label height is about 1/3 of body height and width about 80 percent of body width.
- [ ] Label is centered and placed in the middle third of the body (top edge about two-thirds of body height above baseline, bottom edge about one-third).
- [ ] Lettering follows x-height convention (baseline to midline) or a consistent valid alternative.

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