Draw a Bear: Standing and Roaring Poses with Body Proportions

Original tasks 1, 2, 3 / complete keys

Task 1

A head oval is 4 cm long. Using the lesson proportions, calculate the expected spine length and shoulder height for a standing bear.

Answer: Spine length about 8 cm; shoulder height about 6 cm.

Reason: Spine = 2 HL = 2 x 4 cm = 8 cm. Shoulder height = 1.5 HL = 1.5 x 4 cm = 6 cm. Values are hypothetical examples.

Check: Measure your drawn spine and shoulder height with a ruler and compare to 8 cm and 6 cm within a tolerance you record.

Task 2

A roaring bear drawing has a spine of 10 cm and a head oval of 5 cm. Is the body length proportion correct? Show the arithmetic.

Answer: Yes, because 10 cm divided by 5 cm equals 2 HL, matching the lesson proportion.

Reason: Body length should be about 2 HL. 10 cm / 5 cm = 2, so the proportion is correct.

Check: Re-measure the spine and head oval, divide spine by head length, and confirm the result is close to 2.

Task 3

You draw four limbs each 3 cm long for a bear with a 3 cm head oval. State whether limb length matches the lesson proportion and give one placement check.

Answer: Limb length is about 1 HL, which matches. Placement check: each paw should sit near the ground line under the shoulder or hip anchor.

Reason: Limb length should be about 1 HL. 3 cm / 3 cm = 1 HL. Placement is checked by confirming anchors stay under the body.

Check: Measure each limb and divide by head length; then verify paw positions relative to shoulder and hip marks.

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Original tasks 4 / complete keys

Task 4

In a roaring pose, the mouth wedge is drawn 2 cm long for a 5 cm head oval. Calculate the mouth-to-head ratio and state whether it is close to the lesson value of 0.4 HL.

Answer: Ratio is 2 cm / 5 cm = 0.4 HL, which matches the lesson value.

Reason: Divide mouth length by head length: 2 / 5 = 0.4. The lesson suggests about 0.4 HL for the open mouth wedge.

Check: Measure the mouth wedge and head oval, divide mouth by head, and confirm the result is close to 0.4.

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Source rubric / reflection

- [ ] Body length is about 2 HL and shoulder height about 1.5 HL in both poses.
- [ ] Head oval is about 1 HL long and attached at the shoulder end.
- [ ] Four limb anchors sit under shoulder and hip; limbs are about 1 HL long.
- [ ] Standing pose has a level spine and all paws near the ground line.
- [ ] Roaring pose raises the head above the shoulder line and opens the mouth about 0.4 HL.
- [ ] Labels use a consistent x-height from baseline to midline; any legible letter style is accepted.
- [ ] Valid alternatives in paw shape or ear position are allowed if proportions and anchors stay within ranges.

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