Draw a Dragon from Front, Side, and Three-Quarter Views

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

Task 1

Using L = 8 cm, calculate body height, head length, and leg length with the lesson proportions. Then state the wing anchor distance from the front in the side view.

Answer: Body height = 4 cm; head length = 2.8 cm; leg length = 3.2 cm; wing anchor = about 2.7 cm from the front.

Reason: Multiply 8 cm by 0.5, 0.35, and 0.4. Divide 8 cm by 3 for the wing anchor.

Check: Add leg length and body height: 3.2 cm + 4 cm = 7.2 cm total height. Confirm head length is less than body height.

Task 2

A front-view drawing shows a body width of 6 cm. If the convention says body width is 0.6L, what is L? Then find the side-view body length.

Answer: L = 10 cm; side-view body length = 10 cm.

Reason: Divide 6 cm by 0.6 to get L. The side-view body length equals L.

Check: Multiply L by 0.6 to return to 6 cm. Confirm side-view length matches the scale bar.

Task 3

In a three-quarter view, the visible body length is 0.8L. If L = 12 cm, what visible length should you draw? If the head length is 0.35L, what is it?

Answer: Visible body length = 9.6 cm; head length = 4.2 cm.

Reason: Multiply 12 cm by 0.8 and by 0.35.

Check: Add the two results: 9.6 cm + 4.2 cm = 13.8 cm. Re-measure each against the scale bar of 12 cm.

Task 4

A side-view dragon has leg length 5 cm and body height 6 cm. What is the total height above the ground line? If the head length is 4 cm, is the head longer or shorter than the body height?

Answer: Total height = 11 cm; the head is shorter than the body height.

Reason: Add leg length and body height for total height. Compare 4 cm head length with 6 cm body height.

Check: Subtract leg length from total height to return to 6 cm. Confirm 4 cm is less than 6 cm.

Draw a Dragon from Front, Side, and Three-Quarter Views

Source rubric / reflection

- [ ] All three views use the same scale bar L and the same head length.
- [ ] Body height is consistent across front, side, and three-quarter views.
- [ ] Leg length matches in all views and rests on the ground line.
- [ ] Wing anchor appears at the same relative position in every view.
- [ ] Three-quarter view shows foreshortening: one side of the body is more visible, and far legs or wing are partially hidden.
- [ ] Construction lines are light and final outlines are clear.
- [ ] Valid alternative proportions are accepted if they are recorded and used consistently.

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