Draw an Easy Kaiju with Dorsal Plates and Scale Texture

Original tasks 1, 2, 3 / complete keys

Task 1

On a sheet where the total kaiju height is 20 cm, a student draws a head 4 cm tall. Is the head-to-height ratio about one-fifth? Show the arithmetic.

Answer: Yes. 4 cm divided by 20 cm equals 0.2, which is one-fifth.

Reason: The hypothetical example ratio is head height divided by total height. 4 divided by 20 is 0.2, matching one-fifth.

Check: Divide the head height by the total height and compare the result to 0.2.

Task 2

A student places 12 dorsal plates along a spine line that is 24 cm long, with even spacing. What is the spacing between plate positions if the first and last plates sit at the ends of the line? Use the simple convention that spacing equals line length divided by the number of gaps.

Answer: There are 11 gaps between 12 plates. 24 cm divided by 11 gaps is about 2.18 cm per gap.

Reason: With 12 plates in a row, the number of gaps is one less than the number of plates. 24 divided by 11 gives the even spacing.

Check: Count the gaps as plates minus one, then divide the line length by the gap count.

Task 3

A student draws scale texture on the chest and thigh. The chest marks curve downward and the thigh marks curve around the leg. Is this consistent with the convention? Explain.

Answer: Yes. The convention says rows follow the local body form. Downward curves on the chest and curves around the leg both follow the body form, so the texture is consistent.

Reason: The convention does not require one universal direction. It requires marks to follow the body curve in each area.

Check: For each textured area, ask whether the arc rows follow the local body curve and whether arc size is similar within that area.

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Original tasks 4 / complete keys

Task 4

A drawing has 9 dorsal plates, but the plates near the head are taller than the plates over the back. Does this meet the lesson guidance? Give a fix.

Answer: No. The guidance suggests smaller plates near the head and larger plates over the back. Fix by reducing the head-end plate heights and increasing the back plate heights gradually.

Reason: The plate row should vary in height gradually from head to tail, with the largest plates over the back. Taller plates near the head break that pattern.

Check: Compare plate heights from head to tail and check for a gradual increase then decrease.

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Source rubric / reflection

- [ ] The kaiju has a clear heavy bipedal body, a long tail, and a readable head.
- [ ] Dorsal plates sit on the spine line in an evenly spaced row and vary in height gradually.
- [ ] Scale texture uses short curved marks in rows that follow the body form, with gaps between groups.
- [ ] The final outline is clear and construction lines are light or erased.
- [ ] The drawing is original and does not copy a specific franchise character.

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