Contour Line Sneaker Drawing: Edge-Only Study

Original tasks 1, 2, 3 / complete keys

Task 1

A sneaker is 24 cm long and 10 cm high. You draw a bounding box 12 cm long and 5 cm high. Check the ratio and state whether the box is proportional.

Answer: Sneaker ratio: 24 ÷ 10 = 2.4. Box ratio: 12 ÷ 5 = 2.4. The box is proportional.

Reason: Divide length by height for both the sneaker and the box. Equal ratios mean the box matches the sneaker’s proportions.

Check: Recompute both divisions with a calculator or by hand; confirm the two results are equal.

Task 2

You draw a continuous-line strip 4 cm by 15 cm. You lift the pencil twice. According to the lesson, what should you do?

Answer: Finish the strip and start a new one; do not patch the same strip.

Reason: The continuous-line strip is a planning exercise. Lifting breaks the continuous line, so the strip no longer meets the exercise rule.

Check: Count pencil lifts on the strip. If more than zero, the strip is invalid for the exercise; begin a fresh strip.

Task 3

A contour plate shows a shaded sole and a filled logo. Name two rubric items this violates and state the fix.

Answer: It violates edge-only content and line consistency. Fix: erase the shading and fill, redraw the sole and logo as single contour lines only.

Reason: The brief excludes shading and filled areas. The rubric requires only visible contour lines with even line weight.

Check: Inspect the plate for any area darker than a single line. If found, remove it and redraw as a single line.

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Original tasks 4 / complete keys

Task 4

You measure a sneaker at 28 cm long and 11 cm high. You want a drawing 14 cm long. What height should the bounding box be, and what is the ratio?

Answer: Height = 14 ÷ (28 ÷ 11) = 14 ÷ 2.545 ≈ 5.5 cm. Ratio = 28 ÷ 11 ≈ 2.55.

Reason: First find the sneaker ratio (length ÷ height). Then divide the chosen drawing length by that ratio to get the matching height.

Check: Multiply the box height by the ratio: 5.5 × 2.55 ≈ 14.0 cm. Confirm the result is close to 14 cm.

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Source rubric / reflection

- [ ] Edge-only content: no shading, fill, or tone; only visible contour lines.
- [ ] Proportional accuracy: silhouette matches the measured length-to-height ratio within about 10 percent.
- [ ] Seam connection: at least three interior seams meet the outer silhouette.
- [ ] Line consistency: line weight is even and lines are single, not retraced.
- [ ] Blind-contour and continuous-line exercises completed as described.
- [ ] Valid alternatives: different line styles and handwriting are acceptable if edge selection and proportion are consistent.

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