Draw a Cornucopia: Horn, Produce, and Basket Construction

Original tasks 1, 2, 3 / complete keys

Task 1

Draw a horn 12 cm long. Its opening should be one-third of the length. State the opening width and describe how you place the tilted ellipse.

Answer: Opening width is 4 cm. The ellipse is tilted so its major axis follows the horn's centerline, with the narrower end toward the tip.

Reason: One-third of 12 cm is 4 cm. The ellipse tilt matches the horn's curve to avoid a flat look.

Check: Measure the opening width; confirm it is 4 cm. Trace the ellipse's major axis to see it aligns with the centerline.

Task 2

A horn opening is 6 cm wide. You place two apples and one pear inside. Describe one valid arrangement with clear contact points.

Answer: Place the two apples side by side touching the lower rim, and rest the pear on top of them, touching both apples and the upper rim.

Reason: Each item touches the rim or another item, so nothing floats. The pear bridges the apples for stability.

Check: Point to each fruit and confirm at least one contact point with the rim or another fruit.

Task 3

Draw a woven band with three vertical strips. Describe the over-under pattern for one horizontal strip across all three crossings.

Answer: The horizontal strip goes over the first vertical, under the second, and over the third.

Reason: Alternating over and under at each crossing creates a valid weave.

Check: At each crossing, verify the pattern alternates: over, under, over.

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Original tasks 4 / complete keys

Task 4

Your horn is 18 cm long and the opening is 7 cm wide. Is the one-third ratio met? If not, state a corrected opening width.

Answer: No. One-third of 18 cm is 6 cm, so the opening should be 6 cm, not 7 cm.

Reason: Divide length by three: 18 divided by 3 equals 6.

Check: Measure the opening; confirm it equals 6 cm or adjust the drawing to match.

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Source rubric / reflection

- [ ] Horn tapers gradually from tip to opening with no sudden width changes.
- [ ] Opening is a tilted ellipse aligned with the horn's curve.
- [ ] Produce items have clear contact points and overlap logically.
- [ ] Basket weave alternates over and under at every crossing.
- [ ] Final contours are smooth; construction lines are lighter or erased.
- [ ] Valid alternatives in produce choice and weave spacing are accepted if contact and over-under logic hold.

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