Overhead Hair Drawing: Crown, Part, and Fall Lines

Original tasks 1, 2, 3 / complete keys

Task 1

A top-down head outline is 14 cm wide. You plan to draw 7 fall lines across the width. What is the hypothetical spacing in centimeters?

Answer: 2 cm.

Reason: Divide the width by the number of lines: 14 divided by 7 equals 2. This is a chosen example, not a standard.

Check: Multiply the spacing by the number of lines: 2 times 7 equals 14 cm, matching the outline width.

Task 2

You draw a fall line that crosses a parting line near the crown. Describe one fix that keeps the line starting at the whorl circle and ending at the outline.

Answer: Redraw the fall line so it bends around the parting line, starting at a different point on the whorl circle and curving outward before reaching the outline.

Reason: Crossings break the zone boundary rule. Moving the start point and bending the curve preserves the start and end while avoiding the part line.

Check: Trace the redrawn line: it must start on the whorl circle, end on the outline, and not touch any part line or other fall line.

Task 3

On a 12 cm-wide outline, you draw 5 fall lines with gaps of 1 cm, 1 cm, 4 cm, and 4 cm. Using the hypothetical rule that gaps should be between half and twice the average spacing, is the spacing acceptable?

Answer: No. The average spacing is 12 divided by 5, which is 2.4 cm. Half is 1.2 cm and twice is 4.8 cm. The 1 cm gaps are below half, so the spacing is not acceptable.

Reason: Compare each gap to the allowed range. The 1 cm gaps are too small, even though the 4 cm gaps are within range.

Check: List the gaps and compare each to 1.2 cm and 4.8 cm. Any gap below 1.2 cm fails the check.

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Original tasks 4 / complete keys

Task 4

You want three zones with fall directions left, right, and back. Draw a plan in words: where does the main part go, where does the secondary part go, and how many fall lines per zone if you draw 9 total?

Answer: Main part from the whorl circle to the forehead separates left and right zones. Secondary part from the whorl circle to the back edge separates the back zone from the left or right zone. Draw 3 fall lines per zone for 9 total.

Reason: Parts create boundaries between zones with different flow. Equal division gives 9 divided by 3 equals 3 lines per zone.

Check: Confirm each zone touches a part line or the whorl circle, and count 3 lines in each zone for a total of 9.

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Source rubric / reflection

- [ ] Crown origin is marked and a whorl guide is present.
- [ ] At least one main part and one secondary part are drawn as zone boundaries.
- [ ] Fall lines start at the whorl guide and end at the outline.
- [ ] No fall line crosses another fall line or a parting line.
- [ ] Spacing is checked with arithmetic and adjusted if needed.
- [ ] Zones are labeled and each has a consistent fall direction.
- [ ] Valid alternative conventions are allowed if explained and checked.

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