Cheekbone Contour and Highlight Shading: A Plane-Based Drawing Lesson

Original tasks 1, 2, 3 / complete keys

Task 1

A face outline is 100 mm wide. You plan a 15 mm highlight band and a 20 mm shadow band. Do the bands fit, and what is the remaining width?

Answer: Yes, they fit. 15 plus 20 equals 35 mm, and 100 minus 35 leaves 65 mm.

Reason: Add the two band widths, then subtract from the face width to confirm positive remaining space.

Check: Re-add 15 and 20 to get 35, then subtract 35 from 100 to get 65.

Task 2

On a 70 mm face, one side has a 10 mm shadow band and the other has a 14 mm shadow band. What is the difference, and does the total shadow plus a 12 mm highlight fit?

Answer: The difference is 4 mm. The larger side totals 14 plus 12 equals 26 mm, which is less than 70 mm, so it fits.

Reason: Compare the two shadow widths, then check the larger side against the face width.

Check: Subtract 10 from 14 to get 4; add 14 and 12 to get 26; confirm 26 is less than 70.

Task 3

Describe where the highlight and shadow zones go for a cheekbone contour drawn from beside the nose to the outer eye corner, and state one valid alternative to a continuous contour line.

Answer: Highlight above the contour, shadow below it, both inside the face outline. A broken or dotted contour is a valid alternative.

Reason: The convention fixes zone placement, not stroke style, so alternatives are allowed when placement is correct.

Check: Verify highlight is above and shadow below on both sides, and confirm the alternative still separates the zones.

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Original tasks 4 / complete keys

Task 4

A face is 85 mm wide. You want a highlight band of 11 mm and a shadow band of 19 mm. Show the arithmetic and state whether the bands fit.

Answer: 11 plus 19 equals 30 mm. 85 minus 30 leaves 55 mm, so the bands fit.

Reason: Sum the bands and subtract from the measured face width.

Check: Recompute 11 plus 19 as 30, then 85 minus 30 as 55.

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Source rubric / reflection

- [ ] Contour guide follows the cheekbone ridge from beside the nose toward the outer eye area.
- [ ] Highlight zone is above the contour and shadow zone below on both sides.
- [ ] Shading stays inside the face outline.
- [ ] Band widths are recorded with units and the sum is less than the measured face width.
- [ ] Valid alternatives such as broken contours or blended edges are accepted if zone placement is correct.

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