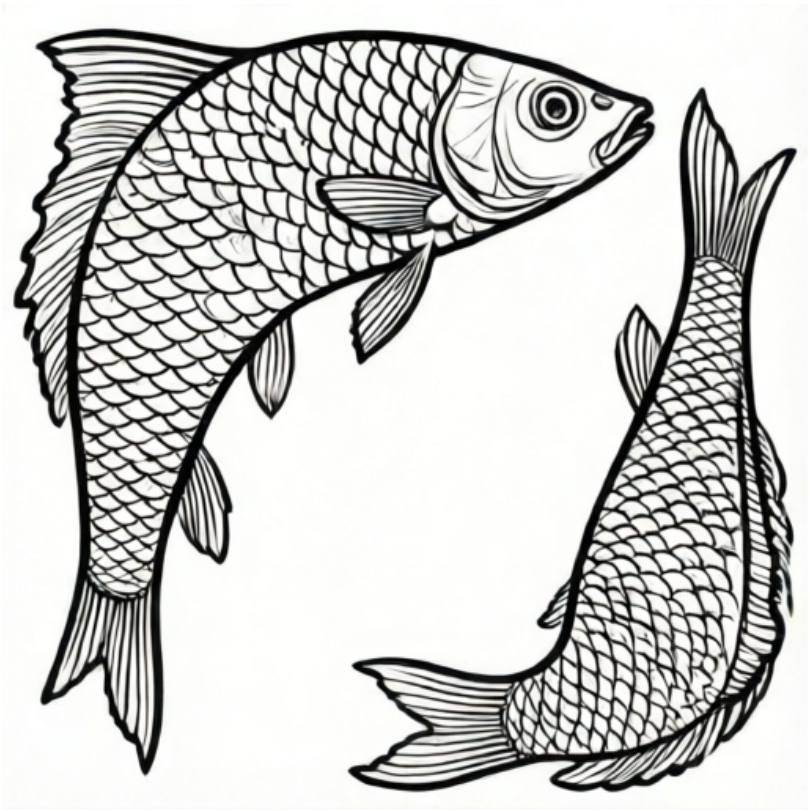
Asymmetrical Fish Scales: Mirrored and Offset Row Drawing

Ordinary topic reference / separately checked pixels



Asymmetrical Fish Scales: Mirrored and Offset Row Drawing

Original worked example / unchanged complete key

Prompt: On a panel with a vertical center line, draw two rows. Row 1 is mirrored across the center line with scale width 12 mm and row height 10 mm. Row 2 is offset 6 mm to the right from row 1. Describe the first three scale positions in each row relative to the center line.

Answer: Use scale width 12 mm and row height 10 mm. Row 1 (mirrored): place scale centers at -24 mm, -12 mm, 0 mm, +12 mm, and +24 mm from the center line, with 12 mm center-to-center spacing. Each 12 mm-wide scale spans 6 mm on either side of its center, so the scale at -12 mm spans -18 to -6 mm and the scale at +12 mm spans +6 to +18 mm; the middle scale at 0 mm spans -6 to +6 mm. Each negative center has a mirror at the same positive distance, so the row is mirrored. Row 2 (offset 6 mm right): shift the same pattern 6 mm right, giving centers at -18 mm, -6 mm, +6 mm, +18 mm, and +30 mm. The scale at -6 mm spans -12 to 0 mm and the scale at +6 mm spans 0 to +12 mm, so those two scales meet at the axis rather than leaving a gap centered on it. The rows are not identical, and the one-direction offset breaks the mirror symmetry between rows.