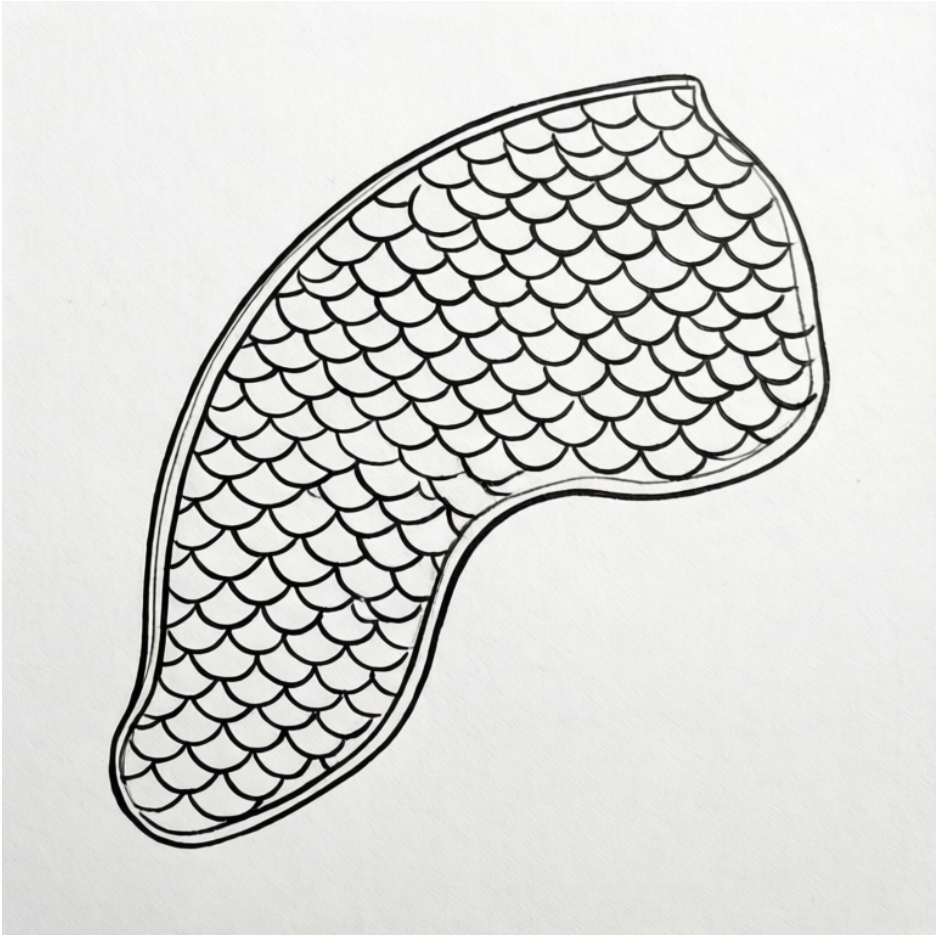
Draw Overlapping Fish Scale Rows on a Curved Body Panel

Topic reference / ordinary illustration



Ordinary topic reference. Hypothetical dimensions in the four tasks are supplied in their own text; this illustration is not their measured answer.

Draw Overlapping Fish Scale Rows on a Curved Body Panel

Worked example / complete source key

A curved panel is 100 mm long and 60 mm tall. Using a scale width of 12 mm, a visible step of 8 mm, and a row gap of 10 mm, estimate how many scales fit in one row and how many rows fit in the panel. Then describe how to check the first row.

Answer: One row holds about 100 divided by 8, which is 12 or 13 scales. The panel holds about 60 divided by 10, which is 6 rows. To check the first row, draw the row path 10 mm above the baseline, place scales at 8 mm visible steps, count them, and measure the gap to the baseline at the left, centre, and right; the gaps should stay within about 2 mm of each other.