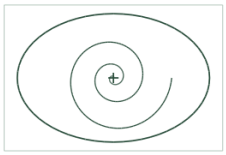
Draw Shell Forms: Spiral, Ribbed, and Smooth Comparison Plate

Ordinary topic reference / separately checked pixels

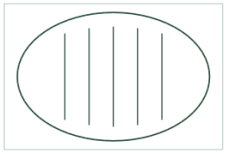
Shell forms / all labelled hypothetical cm dimensions print 1:2 / not paper-edge margins

SPIRAL



Blank practice

RIBBED



Blank practice

SMOOTH



Blank practice

Line key: outer contour solid; ridges thin solid; hidden edges dashed only when needed; spiral center cross. Three-turn radial gaps 0.4, 0.8, 1.2 cm total 2.4 cm. Worked box ratio 9 / 6 = 1.5.

Draw Shell Forms: Spiral, Ribbed, and Smooth Comparison Plate

Original worked example / unchanged complete key

Prompt: A practice box is 9 cm wide and 6 cm high. Plan a spiral with three turns using hypothetical radial gaps of 0.4 cm, 0.8 cm, and 1.2 cm. State the width-to-height ratio and check the gaps.

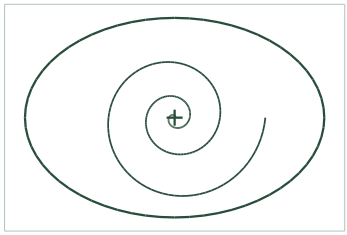
Answer: Ratio is 9 divided by 6, or 1.5. The gaps 0.4, 0.8, and 1.2 cm each increase by 0.4 cm, so the spacing check passes. Draw the outer contour, mark the center cross, then draw three turns with those gaps using thin solid lines.

Draw Shell Forms: Spiral, Ribbed, and Smooth Comparison Plate

Worked reference / reference

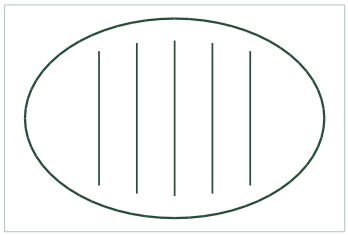
Shell forms / all labelled hypothetical cm dimensions print 1:2 / not paper-edge margins

SPIRAL



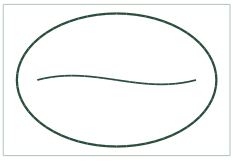
Blank practice

RIBBED



Blank practice

SMOOTH



Blank practice

Line key: outer contour solid; ridges thin solid; hidden edges dashed only when needed; spiral center cross. Three-turn radial gaps 0.4, 0.8, 1.2 cm total 2.4 cm. Worked box ratio 9 / 6 = 1.5.