How to Draw Snake Scales on a Curved Gourd Surface

Original tasks 1, 2 / independent work

Task 1

A gourd ring measures 240 mm circumference. Your convention uses an 8 mm scale width plus 2 mm gap. Estimate how many scales fit on that ring.

Task 2

Two guide rings measure 360 mm and 300 mm circumference. Your scale width plus gap is 12 mm. Estimate the difference in scales per row and state whether scale size should change.

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Original tasks 3, 4 / independent work

Task 3

A gourd leans so that one guide ring is tilted relative to the table. Describe how to redraw that ring and why.

Task 4

Your convention uses a 12 mm scale height and one-third overlap. You want four rows between guide rings. How far apart should the guide rings be along the surface?