Realistic Full-Body Pencil Dragon: Scale Texture and Tonal Shading

Original tasks 1, 2 / independent work

Task 1

A dragon torso is 50 mm wide and a forelimb is 15 mm wide. Your convention uses 5 mm torso scales and 2.5 mm limb scales. How many scales fit across a 20 mm span on each part, and what is the width ratio?

Task 2

A tail tapers from 30 mm to 10 mm over 100 mm of length. If scale width shrinks linearly from 3 mm to 1 mm, what scale width applies at 50 mm along the tail, and how many scales fit across a 20 mm span there?

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Original tasks 3, 4 / independent work

Task 3

A dragon is lit from the upper right. List the four tonal zones and state where each appears on the head, torso, and forelimb, assuming the light stays fixed.

Task 4

You count 6 scales across 20 mm on the torso and 9 scales across 20 mm on the forelimb. Your written convention says the forelimb scale width is half the torso width. Does the count match the convention, and what is the corrected forelimb count?