Draw Ocean Fish Scale Rows with Shading: A Step-by-Step Guide

Original tasks 1, 2 / independent work

Task 1

On a 60 mm-wide strip, draw two rows. Row one uses 15 mm-wide, 10 mm-high scales. Row two uses 13 mm-wide, 8 mm-high scales, is offset by 6.5 mm, and begins 8 mm below row one's top guide. How many full scales fit in each row?

Task 2

A scale row has 8 scales of 12 mm width. What is the total width covered by full scales? If the strip is 100 mm wide, how much width remains for a partial scale?

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Original tasks 3, 4 / independent work

Task 3

Draw three rows with scale heights of 12 mm, 11 mm, and 10 mm. Put the first top guide at 0 mm, the second 10 mm below it, and the third 9 mm below the second. What is the distance from the first top guide to the bottom of the third row?

Task 4

A student shades every scale with a dark crescent on the lower left and a highlight on the upper right. Is this valid? Explain using the convention.