How to Draw Eyes to Scale: Proportional Ratios and Measured Lid Spans

Original tasks 1, 2 / independent work

Task 1

A head box has width W = 15 cm. Using E = W/5, lid span = E, and eye height = E/2, calculate E, lid span, and eye height.

Task 2

A head box has width W = 24 cm. Using E = W/6, a gap of 1E between the eyes, and two eyes each with lid span E, calculate the total span of two eyes plus the gap and the combined side margins.

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Original tasks 3, 4 / independent work

Task 3

A drawing uses E = 2.5 cm and a lid span range from 0.9E to 1.1E. Calculate the minimum and maximum acceptable lid span in centimeters.

Task 4

A head box is 18 cm wide. You choose E = W/4.5 and a gap of 1E. Calculate E, the total span of two eyes plus the gap, and the combined side margins. State whether the side margins are positive.