Drawing Subject Ideas with Thumbnail Sketch Boxes

Original tasks 1, 2 / independent work

Task 1

A hypothetical grid has 3 columns and 2 rows on a 200 mm by 260 mm sheet. Margins are 10 mm on all sides and gaps are 5 mm between boxes. Calculate the width and height of one box in millimetres.

Task 2

A thumbnail of a chipped mug scores 1 for silhouette clarity, 2 for proportion, 1 for value grouping, and 2 for box use. Calculate the total and state the decision using the rubric.

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Original tasks 3, 4 / independent work

Task 3

You have a list with 4 categories and 6 subjects per category. You sketch one thumbnail for each subject, then drop 5 subjects and revise 7. How many subjects remain as keep, and what fraction of the original list is kept? Give the fraction in simplest form.

Task 4

A thumbnail box is 50 mm wide and 40 mm tall. The subject's silhouette occupies a rectangle 30 mm wide and 20 mm tall, placed 5 mm from the left edge and 5 mm from the bottom edge. Calculate the unused area inside the box in square millimetres.