Draw a Cage: Bar Spacing, Curved Top, and Depth

Original tasks 1, 2 / independent work

Task 1

A cage front has six bars and five gaps. The span is 50 mm. Calculate the spacing unit and state one check.

Task 2

A curved top has a span of 60 mm and a rise of 15 mm. Describe how to mark the three points for the arc and one symmetry check.

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Original tasks 3, 4 / independent work

Task 3

A cage drawing uses a depth offset of 20 mm at 30 degrees. Four depth lines are drawn. State the expected measurement for each and one parallel check.

Task 4

A student draws seven bars with gaps of 9, 10, 11, 10, 9, and 11 mm. The stated tolerance is 1 mm. Does the drawing pass the gap check? Explain.