Draw a White Star: Point-Spacing Construction and Tracing Practice

Original tasks 1, 2 / independent work

Task 1

A student marks five outer points on a circle but one gap is visibly wider. Describe two checks to find the error and one correction.

Task 2

On a circle of radius 8 cm, a student places inner points at 3 cm, 3 cm, 4 cm, 3 cm, and 3 cm from the center. What is the likely visual effect and how should it be fixed?

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Original tasks 3, 4 / independent work

Task 3

Describe the connection order for a five-pointed star using labels O1 to O5 for outer points clockwise and I1 to I5 for inner points between them. Start at O1 and go clockwise.

Task 4

You have no compass and no protractor. Explain how to mark five equal divisions on a traced circle using folding, and state one limitation.