Draw a Snow Globe: Base, Dome, and Interior Scene

Original tasks 1, 2 / independent work

Task 1

A snow globe drawing has a total height of 12 cm. The base is 4 cm tall and the dome is 8 cm tall. The base width is 6 cm and the dome width at the rim is 5 cm. Where should the base rim line be placed, and what is the dome height above the rim?

Task 2

Inside a dome, the floor line is 1 cm above the base rim. The dome width at 4 cm above the floor line is 6 cm. You want to place a house whose width is 3 cm. Will the house fit with at least 1 cm empty space on each side at that height?

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Original tasks 3, 4 / independent work

Task 3

A base top ellipse is drawn 8 cm wide and 2 cm deep. The dome rim is also 8 cm wide. Using the shallow-ellipse check from the lesson (depth must be less than one quarter of the width), is this ellipse shallow enough? If not, suggest a depth that passes.

Task 4

You draw a dome with a side highlight and a top highlight. The side highlight is 2 cm long and the top highlight is 1 cm long. The dome outline is 10 cm tall. Is the total highlight length less than one third of the dome height?