Poinsettia Contour Drawing: Compare Bract and Leaf Edges

Topic reference / ordinary illustration



Ordinary topic reference. Hypothetical dimensions in the four tasks are supplied in their own text; this illustration is not their measured answer.

Poinsettia Contour Drawing: Compare Bract and Leaf Edges

Worked example / complete source key

A poinsettia has a widest bract span of 14 cm and a widest leaf span of 10 cm. A contour drawing of the same plant shows a bract span of 12 cm and a leaf span of 9 cm. Compute both ratios and state whether the drawing is close enough, using a tolerance of 0.15.

Answer: Subject ratio: 14 divided by 10 equals 1.40. Drawing ratio: 12 divided by 9 equals about 1.33. The difference is 1.40 minus 1.33 equals 0.07, which is less than 0.15, so the drawing is close enough. The bracts could be widened slightly for a closer match, but no major adjustment is required.