Draw a Sugar Skull: Symmetry, Eye Flowers, and Cheek Stars

Original tasks 1, 2 / independent work

Task 1

A skull is 12 cm tall. Eye flower centers are 2.5 cm from the center line and 1 cm above the midline. Cheek star centers are 3 cm from the center line and 2 cm below the midline. What is the vertical distance between an eye flower center and a cheek star center on the same side?

Task 2

A student places the left eye flower center 2.5 cm from the center line and the right eye flower center 3.0 cm from the center line. Both are 1 cm above the midline. What adjustment makes the placement symmetrical?

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Original tasks 3, 4 / independent work

Task 3

The left cheek star is 1.5 cm across and the right is 1.2 cm across. Both centers are 3 cm from the center line and 2 cm below the midline. What is the size difference, and what is one valid fix?

Task 4

An eye flower has 7 petals on the left and 5 on the right. The centers are correctly placed. What is the petal difference, and what is one valid fix that keeps the flower readable?