Draw a Christmas Wreath: Loops, Bow and Berry Clusters

Original tasks 1, 2 / independent work

Task 1

A wreath ring has an outer diameter of 20 cm and an inner diameter of 12 cm. Calculate the foliage band width. Then state how many 1.5 cm berry clusters fit along the bottom quarter of the outer circle, using pi as 3.14.

Task 2

You are drawing a wreath with 18 outer leaves. Each leaf overlaps the previous one by one third of its length. If each leaf is 3 cm long, what is the total length of the leaf row before overlap is removed? Describe how you would check the overlap visually.

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Original tasks 3, 4 / independent work

Task 3

A bow has two loops each 2.5 cm wide and two tails each 4 cm long. The bow is centered at the top of a wreath with an outer diameter of 18 cm. What is the total width of the bow if the loops sit side by side, and how much space remains on each side of the bow along the top half of the outer circle? Use pi as 3.14.

Task 4

You plan three berry clusters of three berries each. Each berry is 0.8 cm in diameter and berries in a cluster touch. What is the total width of one cluster if the three berries sit in a row? If the clusters are spaced evenly along the bottom quarter of a 24 cm outer-diameter wreath, what is the gap between clusters? Use pi as 3.14.