Roundabout Drawing: Island, Lanes, and Arrows

Original tasks 1, 2 / independent work

Task 1

A drawing has island radius 5 cm and lane width 2 cm. What is the outer radius, and where should a single dashed lane boundary sit if the ring has two lanes?

Task 2

An outer circle has radius 6 cm. Estimate the circumference using 3.14 for pi, then divide by four to find the spacing for four equal entry gaps.

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Original tasks 3, 4 / independent work

Task 3

A student draws arrows clockwise on the top half and counterclockwise on the bottom half. Describe the fix and the check.

Task 4

A drawing uses island radius 4 cm and lane width 3 cm, but the outer circle is drawn at 6 cm. Find the error and state the correct outer radius.