Draw a Concentric-Ring Target with an Arrow Hitting It

Original task 1 / independent drawing and calculation

Task 1

Draw a target with four concentric rings spaced 1 cm apart. Place an arrow hitting the third ring on the left side. Describe each construction step.

Keep the original task measurements. Use the full drawing sheet in this PDF for a response needing more room; use the stated paper size when a task specifies larger paper.

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Original task 2 / independent drawing and calculation

Task 2

A target has rings spaced 1.5 cm apart. The outermost ring has radius 6 cm. How many rings are there, and what are their radii? Then describe placing an arrow hitting between ring 2 and ring 3.

Keep the original task measurements. Use the full drawing sheet in this PDF for a response needing more room; use the stated paper size when a task specifies larger paper.

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Original task 3 / independent drawing and calculation

Task 3

Draw a target with three rings spaced 2 cm apart. Place an arrow hitting the innermost ring near the center. Explain how to keep the arrowhead readable.

Keep the original task measurements. Use the full drawing sheet in this PDF for a response needing more room; use the stated paper size when a task specifies larger paper.

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Original task 4 / independent drawing and calculation

Task 4

A target has rings spaced 1.2 cm apart and an outer radius of 4.8 cm. An arrow hits the second ring at the bottom. Describe the full construction and state the radius of the second ring.

Keep the original task measurements. Use the full drawing sheet in this PDF for a response needing more room; use the stated paper size when a task specifies larger paper.

Full drawing sheet / reusable blank workspace

Reusable full drawing sheet for Tasks 1 to 4. Print another copy when needed. Keep all original task measurements; if a task specifies larger paper, use that paper size.