Draw a Sucker Candy: Stick, Disc Body, and Wrapper Twist

Original task 1 / independent drawing and calculation

Task 1

A sucker drawing uses a stick width of 2 units and a length of 10 units. The disc diameter is 6 units. Calculate the stick width-to-length ratio and the disc diameter-to-stick-length ratio. State whether the stick is narrower than the disc.

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 wrapper twist is planned with a pinch point 2 units above the disc top. The disc diameter is 8 units. The plan says the twist height should be about one-quarter of the disc diameter. Does the planned pinch height match the plan? Show the arithmetic.

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

A disc is shaded with a highlight covering one-quarter of its area and a dark crescent covering one-eighth of its area. The remaining area is middle value. If the disc area is 40 square units, calculate the area of each value group and check that the three areas sum to 40.

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 stick is drawn 12 units long and 3 units wide. The disc diameter is 9 units. The twist height is 3 units. Identify which part has the largest vertical extent and calculate the difference between the stick length and the disc diameter.

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.