Draw a Reward Token: Ribbon and Badge Construction

Original tasks 1, 2 / complete keys

Task 1

Draw a circular reward token with a 6 cm badge, two ribbon tails 2 cm long, and a 0.5 cm attachment point at the top. Use a dashed fold line on each tail. State the total height from attachment point to tail end.

Answer: A 6 cm circle with an inner ring 0.5 cm from the edge, two 2 cm tails with dashed fold lines, and a 0.5 cm attachment point at the top. Total height is about 6 + 2 = 8 cm.

Reason: The badge diameter and tail length add to the total height because the tails extend below the badge. The attachment point sits at the top edge, so it does not add to the height.

Check: Measure the badge diameter and tail length with a ruler. Confirm the two tails are equal within 0.5 cm and the attachment point is centered within 0.5 cm. Check that 6 + 2 = 8 cm matches your measured total height within 0.5 cm.

Task 2

Draw a shield-shaped badge about 7 cm tall and 6 cm wide. Add a ribbon with notched tails: each tail is 2.5 cm long and has a V notch 0.5 cm deep. Show the fold line and a 0.5 cm attachment point at the top. Describe where the notch is placed.

Answer: A shield badge 7 cm tall and 6 cm wide with an inner border. Two ribbon tails 2.5 cm long emerge from the bottom, each with a V notch 0.5 cm deep at the tail end. Dashed fold lines mark where the ribbon meets the badge. A 0.5 cm attachment point sits at the top center. The notch is centered on the tail end.

Reason: The shield shape changes the badge outline but not the ribbon construction. The notch is a simple V cut at the tail end, and the fold line still shows the ribbon passing behind.

Check: Measure the shield height and width, tail length, and notch depth. Confirm the notch is centered on each tail end and the two tails are equal within 0.5 cm. Check that the attachment point is separate from the ribbon and centered within 0.5 cm.

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Original tasks 3, 4 / complete keys

Task 3

Draw a circular token with an 8 cm badge and a double-fold ribbon. The ribbon has two dashed fold lines close together on each side. The tails are 3 cm long. Add a 0.5 cm attachment point. Explain how the double fold differs from a single fold.

Answer: An 8 cm circle with an inner ring. Two ribbon tails 3 cm long, each showing two dashed fold lines close together to indicate a double fold. A 0.5 cm attachment point at the top. The double fold uses two dashed lines instead of one, showing the ribbon folding twice behind the badge.

Reason: The double fold is a variant that adds a second fold line. The badge size and tail length stay the same, so the total height is still about 8 + 3 = 11 cm.

Check: Measure the badge and tails. Confirm each tail has two dashed lines and that the lines are close together but distinct. Check that the total height is about 11 cm and the attachment point is centered within 0.5 cm.

Task 4

Draw a circular token with a 5 cm badge and ribbon tails 2 cm long. Add a short word inside the badge using x-height between baseline and midline. The inner ring is 0.5 cm from the edge. State the total height and check that the word fits inside the ring.

Answer: A 5 cm circle with an inner ring 0.5 cm from the edge. A short word centered with x-height between baseline and midline. Two ribbon tails 2 cm long with dashed fold lines. A 0.5 cm attachment point at the top. Total height is about 5 + 2 = 7 cm. The word fits inside the ring if its x-height is less than the ring diameter.

Reason: The x-height convention keeps the text proportional. The inner ring diameter is about 5 - 2(0.5) = 4 cm, so the word must fit within that space.

Check: Measure the badge, ring distance, and tail length. Confirm the word stays inside the inner ring and uses x-height between baseline and midline. Check that 5 + 2 = 7 cm matches the measured total height within 0.5 cm.

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Source rubric / reflection

- [ ] Badge outline is closed and centered; diameter matches the chosen value within 0.5 cm.
- [ ] Inner ring is present and about 0.5 cm from the edge.
- [ ] Ribbon tails are equal within 0.5 cm and show a dashed fold line.
- [ ] Attachment point is a separate shape at the top, centered within 0.5 cm.
- [ ] Line convention is followed: light construction, medium final, dashed folds.
- [ ] Text or symbol stays inside the inner ring and uses x-height between baseline and midline.
- [ ] Drawing reads clearly at arm's length: badge, ribbon behind, attachment point visible.

Reflection: What did you check, what did you change, and what will you try next?