Draw an Upside-Down Umbrella: Canopy Down, Handle Up

Original tasks 1, 2, 3 / complete keys

Task 1

Draw an upside-down umbrella with a canopy width of 8 cm and a handle rising 6 cm above the canopy center. Use a baseline and midline. Describe your orientation checks.

Answer: A downward bowl canopy 8 cm wide, ribs pointing down, handle rising 6 cm from the center, handle top highest.

Reason: The canopy rim is low and center high; ribs point down; the handle starts at center and goes up, so the top is highest.

Check: Measure canopy width as 8 cm total (4 cm each side of center). Confirm handle top is higher than every rib tip and canopy center is above the rim.

Task 2

A student draws an umbrella with the canopy center 3 cm above the rim and the handle top 2 cm above the canopy center. Is the orientation correct? Explain.

Answer: Yes, the orientation is correct: canopy center is above rim, and handle top is above canopy center.

Reason: An upside-down umbrella needs the rim lower than the center and the handle rising above the center. Both conditions hold.

Check: Compare heights: rim lowest, center higher, handle top highest. The 3 cm and 2 cm values are hypothetical examples; measure your own drawing.

Task 3

Draw an upside-down umbrella and add a label using the x-height convention. Describe where lowercase letters sit and how you would accept alternative letter styles.

Answer: Lowercase letters sit between baseline and midline; ascenders rise above the midline. Any legible style respecting this height relationship is accepted.

Reason: The convention checks orientation and height without demanding one universal handwriting style.

Check: Verify lowercase bodies stay between baseline and midline; accept any legible style that keeps this relationship.

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Original tasks 4 / complete keys

Task 4

Draw an upside-down umbrella with six ribs. Check that no rib tip is above the canopy center and that the handle crosses the midline. Describe your verification.

Answer: Six ribs radiate from center to rim, all tips below the center; handle starts at center and crosses the midline upward.

Reason: Ribs pointing down and a handle rising from center define the inverted orientation.

Check: Count six ribs; compare each tip height to the center; confirm the handle crosses the midline and its top is highest.

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Source rubric / reflection

- [ ] Canopy is a downward bowl with rim lower than center.
- [ ] Ribs point downward and do not rise above the canopy center.
- [ ] Handle starts at canopy center and rises upward, crossing the midline.
- [ ] Handle top is the highest drawn point.
- [ ] Lettering, if present, keeps lowercase letters between baseline and midline; any legible style is accepted.
- [ ] Measurements use consistent units and are labeled as hypothetical examples when numerical.

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