Witchcraft Motif Drawing: Cauldron, Candle, and Herb Bundle

Original tasks 1, 2, 3, 4 / complete keys

Task 1

Draw a cauldron with a 12 cm by 8 cm body and a 9 cm by 2 cm rim. Add two handles that each extend 2 cm beyond the rim side. State the total width across the handles.

Answer: Total width across handles is 9 cm + 2 cm + 2 cm = 13 cm.

Reason: The rim is 9 cm wide. Each handle extends 2 cm beyond the rim side, so add 2 cm on each side.

Check: Measure the drawn width across the handle tips and compare to 13 cm.

Task 2

Draw a candle 5 cm wide and 14 cm tall with a 2 cm tall flame. Add three drips of 1.5 cm, 2.5 cm, and 3.5 cm. What is the total drip length?

Answer: Total drip length is 1.5 + 2.5 + 3.5 = 7.5 cm.

Reason: Add the three drip lengths directly.

Check: Measure each drip on the drawing and sum them; compare to 7.5 cm.

Task 3

Draw a herb bundle with six stems, each 10 cm long, fanning from one point. If the stems are spaced evenly across a 12 cm wide top, what is the approximate spacing between adjacent stem tips?

Answer: Approximate spacing is 12 cm divided by 5 gaps = 2.4 cm.

Reason: Six stems create five gaps across the top width.

Check: Measure the distance between adjacent stem tips at the top and compare to 2.4 cm.

Task 4

In an 18 cm by 14 cm layout box, place a cauldron 10 cm wide at lower center, a candle 4 cm wide at left, and a herb bundle 6 cm wide at right. If the candle and herb bundle each sit 1 cm from the box side, what total width do the three motifs and gaps require?

Answer: Total width is 1 + 4 + 10 + 6 + 1 = 22 cm, which exceeds 18 cm, so the layout must be reduced or overlapped.

Reason: Add side gaps and motif widths. Since 22 cm is greater than 18 cm, adjust sizes or allow overlap.

Check: Measure the placed motifs and gaps in the box; confirm the sum and adjust to fit 18 cm.

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Source rubric / reflection

- [ ] Cauldron body, rim, and handles are present and proportioned as described.
- [ ] Candle body, flame, wick, and at least three wax drips are present.
- [ ] Herb bundle has five to seven stems, leaves, and a tie band.
- [ ] Combined composition fits within the layout box and is balanced.
- [ ] Measurements are consistent and units are stated.
- [ ] Any lettering follows the x-height convention and is legible.

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