Mother's Day Drawing: Combine a Bouquet and Portrait

Original tasks 1, 2, 3 / complete keys

Task 1

A 180 by 260 millimeter sheet has a 30 millimeter overlap zone. The left and right zones are equal. What is each side zone width if total margins are 20 millimeters?

Answer: Each side zone is 65 millimeters wide.

Reason: Subtract overlap and margins from total width: 180 minus 30 minus 20 equals 130 millimeters. Divide equally: 130 divided by 2 equals 65 millimeters per side zone.

Check: Add the parts: 65 plus 30 plus 65 plus 20 equals 180 millimeters, matching the sheet width.

Task 2

A head oval is 55 millimeters tall. The bouquet cluster is 48 millimeters tall. By how many millimeters must the cluster grow to match the head oval?

Answer: The cluster must grow by 7 millimeters.

Reason: Subtract cluster height from head oval height: 55 minus 48 equals 7 millimeters.

Check: Add the growth to the cluster: 48 plus 7 equals 55 millimeters, equal to the head oval.

Task 3

You state an x-height of 4 millimeters. A label's lowercase letter measures 3 millimeters from baseline to midline. Is the label within the convention, and what is the difference?

Answer: No, it is 1 millimeter short of the stated x-height.

Reason: Compare measured height to stated height: 4 minus 3 equals 1 millimeter difference.

Check: Measure the same letter again and confirm the baseline-to-midline distance is 3 millimeters, then compare to the written 4 millimeter rule.

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Original tasks 4 / complete keys

Task 4

Six flower heads each 12 millimeters wide are placed in a 90 millimeter wide bouquet zone. What total width do the flower heads occupy if placed side by side without overlap, and how much zone width remains?

Answer: They occupy 72 millimeters, leaving 18 millimeters of zone width.

Reason: Multiply 6 by 12 to get 72 millimeters. Subtract from zone width: 90 minus 72 equals 18 millimeters.

Check: Add the occupied width and remaining width: 72 plus 18 equals 90 millimeters, matching the zone width.

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Source rubric / reflection

- [ ] Portrait and bouquet are both present and occupy their planned zones.
- [ ] The stated x-height rule is written and at least one label matches it when measured.
- [ ] The eye-placement rule is stated and visible on the head oval.
- [ ] Bouquet cluster height is within 10 millimeters of the head oval height or taller.
- [ ] No flower head covers the portrait's face.
- [ ] Stems converge toward one wrap point.
- [ ] Zone, proportion, and clarity checks are recorded.

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