Party Scene Drawing: Guests, Table, and Balloons

Original tasks 1, 2, 3 / complete keys

Task 1

A frame is 20 units wide. A centered table is 10 units wide. How many units remain on each side, and where should the side guests stand?

Answer: 5 units remain on each side. Side guests should stand about 5 units from each side edge, aligned with the table ends.

Reason: Subtract the table width from the frame width: 20 - 10 = 10. Divide by 2 for equal side spaces: 10 / 2 = 5.

Check: Measure the frame width and table width on your paper, confirm the subtraction and division, and check that each side guest is the same distance from the nearest edge.

Task 2

A guest's x-height is 2 units. Using the guide of about 7 x-heights for a standing figure, what is the approximate figure height? Label the values as hypothetical.

Answer: About 14 units tall, using hypothetical values of 2 units x-height and 7 x-heights.

Reason: Multiply x-height by the number of x-heights: 2 x 7 = 14. Because letter styles vary, treat 14 as an approximate guide, not a fixed rule.

Check: Re-multiply 2 by 7 and compare the result to your drawn figure height; adjust if your own x-height guide differs.

Task 3

A frame is 18 units tall. Balloons should occupy the top one-third. How many units tall is the balloon zone, and what is the lowest unit mark for balloons?

Answer: The balloon zone is 6 units tall, starting at 12 units from the bottom and ending at 18 units.

Reason: Divide the frame height by 3: 18 / 3 = 6. The top third runs from 12 to 18 units.

Check: Measure the frame height, divide by 3, and mark the 12-unit line; confirm all balloon circles sit above that line.

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Original tasks 4 / complete keys

Task 4

You have five balloons: two on the left, two on the right, and one near the top center. A string from the top-center balloon would cross a guest's face. What simple adjustment keeps the arrangement balanced?

Answer: Move the top-center balloon sideways by one balloon-width so its string no longer crosses the face, then check that the left and right groups still have two balloons each.

Reason: The rule is to move any balloon whose string crosses a face by one balloon-width. Moving sideways preserves the odd count and the left-right balance.

Check: Count balloons on each side after the move, and trace each string to confirm no string crosses a guest face.

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Source rubric / reflection

- [ ] Table is drawn as a trapezoid or rounded surface and is centered on the vertical midline.
- [ ] Three guests are placed left, right, and behind the table, with the behind guest overlapping the table edge.
- [ ] Guest head heights vary by at least one x-height, using x-height only as a proportional guide.
- [ ] Five balloons are placed in the upper third, with no string crossing a guest face.
- [ ] The scene contains exactly three guests, one table, and five balloons, and the counts are checkable.
- [ ] Valid alternatives are accepted if the table remains visible, guests overlap correctly, and balloons stay in the upper third.

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