Tea Set Drawing: Pot, Cups, Saucers, Handle and Spout Shapes

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

Task 1

A pot body is 14 cm wide and 9 cm tall. The lid oval is 8 cm wide. Is the lid narrower than the body, and by how much?

Answer: Yes, the lid is 6 cm narrower than the body.

Reason: 14 minus 8 equals 6, so the lid is narrower by 6 cm.

Check: Subtract lid width from body width and confirm the result is positive.

Task 2

Two saucers are drawn with ovals tilted 20 degrees and 35 degrees. What is the tilt difference, and should they match?

Answer: The difference is 15 degrees, and they should match for a consistent surface.

Reason: 35 minus 20 equals 15; matching tilts keep the set on one plane.

Check: Subtract the smaller tilt from the larger and compare to zero.

Task 3

A cup is 15 mm tall and its saucer well is 40 mm wide. The cup base is 30 mm wide. Does the base fit inside the well?

Answer: Yes, the base fits with 10 mm total clearance.

Reason: 40 minus 30 equals 10 mm, so the base is narrower than the well.

Check: Subtract base width from well width and confirm the result is positive.

Task 4

A bounding box is 20 cm wide. The pot is 12 cm wide and two saucers are 6 cm wide each, placed side by side in front. Does the group fit if the saucers overlap the pot by 1 cm on each side?

Answer: No, the group is 22 cm wide and does not fit within the 20 cm bounding box.

Reason: The pot is 12 cm wide and the two saucers span 6 + 6 = 12 cm. With 1 cm overlap on each side, total overlap is 2 cm, so the group width is 12 + 12 - 2 = 22 cm, which exceeds the 20 cm bounding box.

Check: Add widths, subtract overlaps, and compare to the bounding box width.

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Source rubric / reflection

- [ ] Pot body, lid, spout and handle are distinguishable and on opposite sides where required.
- [ ] Cup bodies narrow toward the base and have open C-shaped handles.
- [ ] Saucer ovals share one tilt and cups sit inside the saucer wells.
- [ ] The grouped composition fits a bounding box with clear margins.
- [ ] Proportions are checked against a stated x-height or measured reference, allowing valid style alternatives.

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