Draw a Peace Hand Sign: Finger Placement and Palm Angle

Original tasks 1, 2, 3 / complete keys

Task 1

A front-view palm is 8 cm tall. Using the x-height convention, how high should the folded-finger arcs rise from the baseline?

Answer: 4 cm.

Reason: The convention sets the arcs from baseline to midline, and the midline is half the palm height. Half of 8 cm is 4 cm.

Check: Measure the palm height with a ruler, divide by two, and compare with the drawn arc height.

Task 2

An index finger capsule is 6 cm long and the middle finger is 6.5 cm long. The base gap is 1 cm and the tip gap is 1.5 cm. What is the total width across the two fingertips if each fingertip is 1 cm wide?

Answer: 3.5 cm.

Reason: Add the two fingertip widths (1 cm + 1 cm = 2 cm) and the tip gap (1.5 cm): 2 + 1.5 = 3.5 cm.

Check: Measure the drawn tip gap and both fingertip widths, then add them in the same units.

Task 3

A side-view palm wedge is tilted 30 degrees from vertical. The guide line from wrist center to finger gap should tilt consistently. If the guide line tilts 10 degrees, is the drawing consistent?

Answer: No, it is inconsistent.

Reason: The guide line should follow the palm angle. A 10-degree tilt differs from the chosen 30-degree palm angle by 20 degrees, which is a sharp bend.

Check: Measure both angles with a protractor and compare; adjust the wrist or finger bases if the difference is large.

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Original tasks 4 / complete keys

Task 4

A thumb capsule overlaps the folded-finger arcs by 1 cm. The arcs rise 3 cm above the baseline, and the extended fingers begin 5 cm above the baseline. Does the thumb tip stay below the extended fingers?

Answer: Yes, the thumb tip stays below the extended fingers.

Reason: The thumb tip reaches 1 cm above the arc top, so its highest point is 3 + 1 = 4 cm above the baseline. The extended fingers begin at 5 cm above the baseline. Since 4 cm is less than 5 cm, the thumb tip remains 1 cm below the extended fingers.

Check: Measure the arc height, the thumb overlap above the arc top, and the height where the extended fingers begin, all from the same baseline. Add arc height plus overlap and confirm the sum is less than the extended-finger base height; redraw if the tip enters the finger gap.

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Source rubric / reflection

- [ ] Palm and wrist are aligned and the palm is wider than tall.
- [ ] Two extended fingers are separated by a visible gap at base and tip.
- [ ] Folded fingers are drawn as short arcs from baseline to midline.
- [ ] Thumb folds across the folded fingers without crossing the extended fingers.
- [ ] Palm angle is consistent with the chosen front or side view.
- [ ] Valid alternatives are accepted if the gesture reads clearly and the gap and fold checks pass.

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