Swim Drawing Easy: Three Stroke Poses and Poolside Context

Original tasks 1, 2, 3 / complete keys

Task 1

A body line is 16 cm long. What head circle diameter matches the one-eighth ratio? Show the arithmetic.

Answer: 2 cm.

Reason: Divide 16 by 8 to get 2. The head circle diameter is 2 cm.

Check: Multiply 2 by 8 and confirm the result is 16.

Task 2

A deck line and a lane line are drawn 3 cm apart at the left end and 3.4 cm apart at the right end. Is the lane line parallel within a 2 mm tolerance? Explain.

Answer: No. The difference is 0.4 cm, or 4 mm, which is greater than 2 mm.

Reason: Subtract 3.0 from 3.4 to get 0.4 cm. Convert to 4 mm and compare with the 2 mm tolerance.

Check: Measure both gaps again with the same ruler and subtract the smaller from the larger.

Task 3

A swimmer has one arm reaching forward past the head and the other pulling back near the hip. The face turns slightly to one side. Which stroke is this, and what should you check next?

Answer: Freestyle. Check that the head turn is slight and that the body line stays smooth.

Reason: The alternating arm positions and slight head turn match freestyle. The next check is the body line and head direction.

Check: Compare the arm angles with the freestyle description and confirm the head turn is small.

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Original tasks 4 / complete keys

Task 4

A sign on the poolside uses two different letter styles and the x-height is measured from baseline to midline in one style but not the other. What should you fix, and how will you check it?

Answer: Choose one letter style and apply the x-height convention from baseline to midline consistently. Check by measuring the baseline-to-midline distance on each letter.

Reason: Consistency makes the sign readable and checkable. The x-height convention is baseline to midline, and letter styles vary but should not be mixed without a reason.

Check: Measure the baseline-to-midline distance for several letters and confirm they match within your chosen tolerance.

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Source rubric / reflection

- [ ] The swimmer is built from a body line, head circle, and joint dots.
- [ ] The chosen stroke is readable from the arm and leg angles.
- [ ] The head-to-body ratio is checked with simple division.
- [ ] Poolside context includes a deck edge, lane line, and at most one starting block.
- [ ] Any lettering uses one consistent style and the x-height convention from baseline to midline.
- [ ] Valid alternative poses and letter styles are accepted if the checks are met.

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