Remora Drawing: Sucker Disc and Fin Placement

Original tasks 1, 2, 3 / complete keys

Task 1

A remora drawing is 18 cm long. The head zone is one-third of the body. The sucker disc starts 1 cm behind the mouth and ends 2 cm before the gill line. Where does the disc end measured from the snout?

Answer: The disc ends 4 cm from the snout.

Reason: Head zone is 18 divided by 3 = 6 cm. The gill line is 6 cm from the snout. The disc ends 2 cm before the gill line, so 6 minus 2 = 4 cm.

Check: Measure 6 cm from the snout for the gill line, then subtract 2 cm to locate the disc end.

Task 2

A learner starts the long dorsal fin 2 cm from the snout on a 12 cm remora. The sucker disc ends 3.5 cm from the snout. Is the fin above the rear of the disc? Explain.

Answer: No. The fin is too far forward; it starts ahead of the disc's rear edge.

Reason: The long dorsal fin should begin above the rear of the disc, near 4 cm from the snout on a 12 cm body. At 2 cm, it is ahead of the disc end at 3.5 cm.

Check: Compare the fin start (2 cm) with the disc end (3.5 cm). The fin should start at or behind the disc end.

Task 3

In a bottom view of a 10 cm remora, the sucker disc is drawn 5 cm long and centered on the head. The head zone is 3.3 cm. Is the disc too long? Use simple arithmetic.

Answer: Yes, the disc is too long for the head zone.

Reason: The head zone is about 3.3 cm, but the disc is 5 cm. The disc should fit within the head's underside, ending before the gill line.

Check: Compare disc length (5 cm) with head zone (3.3 cm). The disc should be shorter than the head zone.

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Original tasks 4 / complete keys

Task 4

A side-view remora is 9 cm long. The pectoral fin is drawn 2 cm from the snout. The gill line is 3 cm from the snout. Is the pectoral fin correctly placed? Explain.

Answer: No. The pectoral fin should attach just behind the gill line, so it should be at or behind 3 cm from the snout.

Reason: At 2 cm, the fin is on the head, ahead of the gill line. Pectoral fins belong just behind the gill line.

Check: Compare the fin position (2 cm) with the gill line (3 cm). The fin should be at or behind the gill line.

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Source rubric / reflection

- [ ] Sucker disc is on the underside of the head, starting behind the mouth and ending before the gill line.
- [ ] Long dorsal fin begins above the rear of the sucker disc, about one-third of the body length from the snout.
- [ ] Long dorsal fin runs toward the tail without crossing it.
- [ ] Anal fin mirrors the long dorsal fin on the underside.
- [ ] Pectoral fins attach just behind the gill line, below the midline.
- [ ] Body is a tapered oval with a clear head zone; valid alternatives in body roundness and tail shape are accepted.
- [ ] All measurements use consistent units and are checked against the learner's own drawing.

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