# Animal Fur Drawing: Stroke Direction and Layered Clump Construction

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

Task 1

A leg zone is 10 cm tall. Using the hypothetical fractions, calculate short, medium, and long stroke lengths.

Answer: Short: 2.5 cm; medium: about 3.33 cm; long: 5 cm.

Reason: Divide 10 by 4, 3, and 2 respectively.

Check: Multiply each length by its divisor to recover 10 cm.

Task 2

A midcoat clump has 5 strokes and overlaps the next clump by one-third of its length. If the clump is 6 cm long, how long is the overlap?

Answer: 2 cm.

Reason: One-third of 6 cm is 6 ÷ 3 = 2 cm.

Check: Multiply 2 cm by 3 to confirm 6 cm.

Task 3

You count 4 clumps in a zone and each clump has between 3 and 6 strokes. What is the minimum and maximum total stroke count?

Answer: Minimum 12 strokes; maximum 24 strokes.

Reason: 4 × 3 = 12 and 4 × 6 = 24.

Check: Divide each total by 4 to recover the per-clump range.

Task 4

A back zone is 9 cm tall. You choose long fur at one-half zone height and guard hairs 1 cm longer than the long-fur stroke. What is the guard-hair length?

Answer: 5.5 cm.

Reason: Long fur is 9 ÷ 2 = 4.5 cm; adding 1 cm gives 5.5 cm.

Check: Subtract 1 cm from 5.5 cm to recover 4.5 cm, then double it to confirm 9 cm.

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Source rubric / reflection

- [ ] Growth-flow arrows are present and consistent with body zone direction.
- [ ] Three coat layers are distinguishable by value and length.
- [ ] Clumps contain three to six strokes and overlap by about one-third.
- [ ] Edges are soft through staggered endings and reduced pressure.
- [ ] Stroke convention is applied consistently across the drawing.
- [ ] Valid stylistic alternatives are accepted if flow, layering, and edge softness remain readable.

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