Combat Boot Drawing: Proportions, Laces, and Lug Sole

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

Task 1

Draw a combat boot with heel-to-toe length 15 cm and ankle height 5 cm. Use six eyelets per row and a sole thickness of 1.5 cm. State the number of lace crossings.

Answer: Six eyelets per row give five crossing pairs plus top tie. Ratio 15 divided by 5 equals 3.

Reason: Each pair of opposite eyelets creates one crossing; six eyelets per row yield five pairs.

Check: Count eyelets and crossings; measure length and height to confirm the 3:1 ratio.

Task 2

A boot drawing has ankle height 6 cm and heel-to-toe length 18 cm. The sole is 2 cm thick with eight lugs. Check the ratio and lug spacing if lugs are evenly spaced.

Answer: Ratio 18 divided by 6 equals 3, matching the guide. Eight lugs spaced evenly across the sole length.

Reason: Divide length by height to check the proportion; even spacing means equal intervals.

Check: Measure length and height; count lugs and confirm equal gaps.

Task 3

Draw a boot with four eyelets per row and crossed laces. How many crossing pairs and lace segments between eyelets are needed?

Answer: Three crossing pairs and six lace segments between eyelets, plus top tie.

Reason: Four eyelets per row give three opposite pairs; each pair uses two segments forming an X.

Check: Count eyelets, pairs, and segments; verify each pair has two segments.

Task 4

Your boot drawing has sole thickness 1 cm and ankle height 5 cm. You want sole thickness equal to one-fifth of ankle height. Is the drawing correct?

Answer: Yes, because 5 divided by 5 equals 1 cm.

Reason: One-fifth of 5 cm is 1 cm, matching the drawn sole.

Check: Multiply ankle height by 0.2 and compare to sole thickness.

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Source rubric / reflection

- [ ] Proportions: ankle height and heel-to-toe length match the chosen guide within a small margin.
- [ ] Lace pattern: eyelets paired and evenly spaced; crossings consistent.
- [ ] Sole: thickness consistent and lugs evenly spaced without overlapping the upper.
- [ ] Line clarity: guide lines removed or light; final outline clear.
- [ ] Valid alternatives: different eyelet counts, lace styles, or lug shapes accepted if consistent.

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