Military Uniform Drawing: Compare Dress and Field Jacket Details

Original tasks 1, 2 / complete keys

Task 1

Draw a dress jacket with a collar-to-waist distance of 2.4 units and 3 buttons. Place the buttons evenly and state each gap.

Answer: Divide 2.4 by 4 to get 0.6 units per gap. Place buttons at 0.6, 1.2, and 1.8 units below the collar base.

Reason: Three buttons create four equal gaps. The total distance 2.4 divided by 4 equals 0.6, so each button sits one gap further down.

Check: Add the gaps: 0.6 plus 0.6 plus 0.6 plus 0.6 equals 2.4 units. Confirm the top and bottom margins each equal 0.6 units.

Task 2

A field jacket placket is 3.6 units long and has 5 buttons. Find the gap and button positions, then compare with a dress jacket that has 4 buttons over 3.0 units.

Answer: Field: 3.6 divided by 6 equals 0.6 units per gap; buttons at 0.6, 1.2, 1.8, 2.4, and 3.0 units. Dress: 3.0 divided by 5 equals 0.6 units per gap; buttons at 0.6, 1.2, 1.8, and 2.4 units. Both use the same gap but different button counts.

Reason: Each row has one more gap than buttons. Dividing the total length by that gap count gives equal spacing. The field jacket has one extra button and a longer placket.

Check: Multiply gap by gap count: field 0.6 times 6 equals 3.6; dress 0.6 times 5 equals 3.0. Check that the last button position equals total length minus one gap.

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Original tasks 3, 4 / complete keys

Task 3

Draw two chest pockets on a field jacket, each 1.0 unit wide and 0.7 units tall, centered 0.3 units apart on a 3.0-unit-wide torso. State the left and right pocket edges relative to the center line.

Answer: Each pocket is 1.0 unit wide. With a 0.3-unit gap between them, the total width is 1.0 plus 0.3 plus 1.0 equals 2.3 units. Center this on the 3.0-unit torso: left margin equals right margin equals (3.0 minus 2.3) divided by 2 equals 0.35 units. From the center line, the left pocket spans 0.15 to 1.15 units left, and the right pocket spans 0.15 to 1.15 units right.

Reason: The gap is centered on the center line, so each pocket starts 0.15 units from center (half the gap). Adding the 1.0-unit width gives the outer edge at 1.15 units from center. The remaining margin to the torso edge is 1.5 minus 1.15 equals 0.35 units.

Check: Add left margin, left pocket, gap, right pocket, and right margin: 0.35 plus 1.0 plus 0.3 plus 1.0 plus 0.35 equals 3.0 units. Confirm symmetry about the center line.

Task 4

Compare a dress jacket with a stand collar 0.4 units tall and a field jacket with a fold-down collar band 0.5 units tall. If the neck opening is 1.2 units wide, how much taller is the field collar band, and what is the ratio of field band height to dress band height?

Answer: The field band is 0.5 minus 0.4 equals 0.1 unit taller. The ratio is 0.5 to 0.4, which simplifies to 5 to 4, or 1.25 times as tall.

Reason: Subtract the smaller height from the larger to find the difference. Divide the field height by the dress height to find the ratio. The neck opening width is not needed for this comparison, which is a useful check that you are comparing the right features.

Check: Multiply the dress height by 1.25: 0.4 times 1.25 equals 0.5. Add the difference to the dress height: 0.4 plus 0.1 equals 0.5. Both checks confirm the result.

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Source rubric / reflection

- [ ] Both jackets share the same body grid and baseline.
- [ ] Dress jacket shows a stand collar, 4 evenly spaced buttons, and two waist flap pockets.
- [ ] Field jacket shows a fold-down collar, 5 evenly spaced buttons on a placket, and four larger pockets.
- [ ] Button spacing arithmetic is shown or checkable, with gaps equal within 0.1 unit.
- [ ] Labels use a consistent lettering style with x-height measured from baseline to midline.
- [ ] No real-unit insignia, brands, weapons, or generic fold studies are included.
- [ ] Comparison table or notes record actual measurements in consistent units.

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