How to Draw a Rifle Outline on Isometric Dot Paper

Original task 1 / independent drawing and calculation

Task 1

Draw a rifle outline with a 5-step stock, 3-step receiver, 2-step magazine, and 7-step barrel. Use 1 step = 1 unit. State the total length.

Keep the original task measurements. Use the full drawing sheet in this PDF for a response needing more room; use the stated paper size when a task specifies larger paper.

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Original task 2 / independent drawing and calculation

Task 2

A learner draws a rifle with a 4-step stock, 4-step receiver, and 6-step barrel, but the barrel is 2 steps high while the receiver is 2 steps high. Identify the proportion error and state a fix.

Keep the original task measurements. Use the full drawing sheet in this PDF for a response needing more room; use the stated paper size when a task specifies larger paper.

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Original task 3 / independent drawing and calculation

Task 3

Draw a rifle outline where the magazine is offset 3 steps down and 2 steps forward along the diagonal. The receiver is 4 steps long and 2 steps high. State the magazine's position relative to the receiver's front edge.

Keep the original task measurements. Use the full drawing sheet in this PDF for a response needing more room; use the stated paper size when a task specifies larger paper.

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Original task 4 / independent drawing and calculation

Task 4

A drawing has a 6-step stock, 3-step receiver, and 9-step barrel. The learner claims the total length is 20 steps. Check the arithmetic and correct it.

Keep the original task measurements. Use the full drawing sheet in this PDF for a response needing more room; use the stated paper size when a task specifies larger paper.

Full drawing sheet / reusable blank workspace

Reusable full drawing sheet for Tasks 1 to 4. Print another copy when needed. Keep all original task measurements; if a task specifies larger paper, use that paper size.