Editable Ruled Writing Paper: Layout Template Guide

Complete worked example / separate answer key

A hypothetical template has printable height 240 mm, header height 28 mm, bottom clearance 12 mm, and baseline spacing 8 mm. Calculate the maximum number of full lines and the leftover clearance.

Answer: Writing height = 240 - 28 - 12 = 200 mm. Full lines = 200 ÷ 8 = 25. Leftover clearance = 200 - 25 × 8 = 0 mm. The template can fit 25 full lines with no leftover writing height beyond the stated bottom clearance.

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Original tasks 1, 2, 3 / complete keys

Task 1

A hypothetical standard page has printable height 260 mm, header 32 mm, bottom clearance 8 mm, and baseline spacing 10 mm. Calculate the maximum number of full lines and the leftover writing height.

Answer: Writing height = 260 - 32 - 8 = 220 mm. Full lines = 220 ÷ 10 = 22. Leftover writing height = 220 - 22 × 10 = 0 mm.

Reason: Subtract header and bottom clearance from printable height, then divide by baseline spacing. The quotient is the full line count; the remainder is leftover writing height.

Check: Multiply 22 lines by 10 mm to get 220 mm, then add header 32 mm and clearance 8 mm to confirm 260 mm total.

Task 2

A hypothetical page has paper width 210 mm, left margin 20 mm, and right margin 15 mm. Calculate the writing width. Then state the midline height if baseline spacing is 9 mm.

Answer: Writing width = 210 - 20 - 15 = 175 mm. Midline height = 9 ÷ 2 = 4.5 mm above each baseline.

Reason: Writing width is paper width minus both margins. The midline is half the baseline spacing above the baseline by the stated convention.

Check: Add 20 + 175 + 15 to confirm 210 mm. Double 4.5 mm to confirm 9 mm baseline spacing.

Task 3

A wider-margin variant uses a hypothetical left margin of 30 mm instead of 20 mm on a 210 mm wide page with a 15 mm right margin. Calculate the new writing width and the change from the standard width of 175 mm.

Answer: New writing width = 210 - 30 - 15 = 165 mm. Change = 175 - 165 = 10 mm narrower.

Reason: Increase the left margin by 10 mm, so writing width decreases by 10 mm when paper width and right margin stay the same.

Check: Add 30 + 165 + 15 to confirm 210 mm, and compare 165 mm with the standard 175 mm.

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Original tasks 4 / complete keys

Task 4

A hypothetical layout has 18 lines at 8 mm baseline spacing, a 25 mm header, and a 10 mm bottom clearance. Calculate total required height and state whether it fits a measured printable height of 190 mm.

Answer: Writing height = 18 × 8 = 144 mm. Total required height = 144 + 25 + 10 = 179 mm. It fits within 190 mm, leaving 11 mm spare.

Reason: Multiply line count by baseline spacing, then add header and bottom clearance. Compare the total with the measured printable height.

Check: Subtract 179 mm from 190 mm to confirm 11 mm spare, and re-add 144 + 25 + 10 to confirm 179 mm.

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Worked example, Task 1, Task 2 / Separate answer sheet: worked calculations, reasoning, checks, rubric

Answers use hypothetical values from the worksheet. Rubric rewards convention, editable fields, consistent units, recalculated variant, and valid letter-style alternatives.

Task 1 answer: Writing height = 260 - 32 - 8 = 220 mm. Full lines = 220 ÷ 10 = 22. Leftover writing height = 220 - 22 × 10 = 0 mm.

Task 1 reasoning: Subtract header and bottom clearance from printable height, then divide by baseline spacing. The quotient is the full line count; the remainder is leftover writing height.

Task 1 check: Multiply 22 lines by 10 mm to get 220 mm, then add header 32 mm and clearance 8 mm to confirm 260 mm total.

Task 2 answer: Writing width = 210 - 20 - 15 = 175 mm. Midline height = 9 ÷ 2 = 4.5 mm above each baseline.

Task 2 reasoning: Writing width is paper width minus both margins. The midline is half the baseline spacing above the baseline by the stated convention.

Task 2 check: Add 20 + 175 + 15 to confirm 210 mm. Double 4.5 mm to confirm 9 mm baseline spacing.

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Worked example, Task 3, Task 4 / Separate answer sheet (continued): Tasks 3-4 and rubric checklist

Rubric checklist: baseline/midline convention stated; editable title/name/date above first baseline; line-count arithmetic in one unit; measured limits recorded and hypothetical values labeled; variant recalculated; letter-style

Task 3 answer: New writing width = 210 - 30 - 15 = 165 mm. Change = 175 - 165 = 10 mm narrower.

Task 3 reasoning: Increase the left margin by 10 mm, so writing width decreases by 10 mm when paper width and right margin stay the same.

Task 3 check: Add 30 + 165 + 15 to confirm 210 mm, and compare 165 mm with the standard 175 mm.

Task 4 answer: Writing height = 18 × 8 = 144 mm. Total required height = 144 + 25 + 10 = 179 mm. It fits within 190 mm, leaving 11 mm spare.

Task 4 reasoning: Multiply line count by baseline spacing, then add header and bottom clearance. Compare the total with the measured printable height.

Task 4 check: Subtract 179 mm from 190 mm to confirm 11 mm spare, and re-add 144 + 25 + 10 to confirm 179 mm.

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Source rubric / reflection

- [ ] Baseline and midline convention is stated clearly and consistently on both pages.
- [ ] Header fields for title, name, and date are editable and placed above the first baseline.
- [ ] Line count arithmetic is shown and uses one consistent unit.
- [ ] Measured equipment limits are recorded, and chosen numerical values are labeled as hypothetical examples.
- [ ] The wider-margin variant recalculates writing width and line count rather than copying the standard page.
- [ ] Valid alternatives in letter style are allowed; the midline is treated as a reference, not a single universal answer.

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