Design a Ruled Note Sheet with Heading and Date Fields

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

Task 1

A hypothetical sheet has usable height 250 mm, heading band 20 mm, and row height 10 mm. Compute the number of full rows and the remainder.

Answer: 23 full rows with 0 mm remainder.

Reason: 250 minus 20 equals 230 mm; 230 divided by 10 equals exactly 23, so there are 23 full rows with 0 mm remainder.

Check: Multiply 23 by 10 to get 230, then add the 20 mm heading band to get 250 mm.

Task 2

A hypothetical page two has usable height 260 mm, heading band 25 mm, subject area 15 mm, and row height 8 mm. Compute full rows and remainder.

Answer: 27 full rows with 4 mm remainder.

Reason: 260 minus 25 minus 15 equals 220 mm; 220 divided by 8 equals 27 with remainder 4 because 27 times 8 is 216.

Check: 27 times 8 equals 216; add 25 and 15 to get 256; the remainder is 260 minus 256 equals 4 mm.

Task 3

A writer uses a hypothetical x-height of 5 mm. What is the minimum row height under the convention that row height is at least twice the x-height?

Answer: 10 mm.

Reason: Twice 5 mm is 10 mm, so the row height must be at least 10 mm.

Check: Divide the chosen row height by the x-height; the result must be at least 2.

Task 4

A hypothetical sheet has usable width 180 mm and a margin line 20 mm from the left usable edge. How wide is the note text area?

Answer: 160 mm.

Reason: 180 minus 20 equals 160 mm.

Check: Add the margin width 20 mm to the note text width 160 mm to get 180 mm.

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Source rubric / reflection

- [ ] Heading field and date field are distinct and do not overlap.
- [ ] Margin line is present and consistent across pages.
- [ ] Row spacing is even and at least twice the stated x-height.
- [ ] Second page includes a subject line and numbered rows.
- [ ] All numerical values are labeled as hypothetical examples.
- [ ] Handwriting convention is stated and alternatives are allowed.

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