Voice and Piano Grand-Staff Paper: Layout Guide

Worked example / complete source key

A hypothetical page has stave height 8 mm, piano gap 6 mm, vocal gap 12 mm, and system gap 18 mm. Printable height is 250 mm with 20 mm top and bottom margins. How many complete systems fit, and what is the leftover vertical space?

Answer: One system is 8 + 12 + 8 + 6 + 8 = 42 mm. Usable height is 250 − 40 = 210 mm. Four systems need 4 × 42 = 168 mm plus three system gaps of 18 mm each: 3 × 18 = 54 mm. Total is 168 + 54 = 222 mm, which exceeds 210 mm. Three systems need 3 × 42 = 126 mm plus two gaps of 18 mm: 36 mm. Total is 126 + 36 = 162 mm. Leftover is 210 − 162 = 48 mm. So three complete systems fit with 48 mm left over.