Blank Sheet Music: Stave Counts, Clefs, and Spacing That Work

Original worked example / unchanged complete key

Prompt: A page has 200 mm of usable height after margins. Each single stave is 20 mm high with a 10 mm gap. How many single staves fit, and how many grand-staff systems fit if each system is 26 mm with a 14 mm gap between systems?

Answer: Single staves: n x 20 + (n - 1) x 10 <= 200, so n <= (200 + 10) / 30 = 7. Seven staves occupy 7 x 20 + 6 x 10 = 200 mm exactly. Eight need 8 x 20 + 7 x 10 = 230 mm and do not fit. Grand-staff systems: n x 26 + (n - 1) x 14 <= 200. Five need 130 + 56 = 186 mm; six need 156 + 70 = 226 mm. Thus 5 grand-staff systems fit. Inputs are hypothetical; substitute your measured values.

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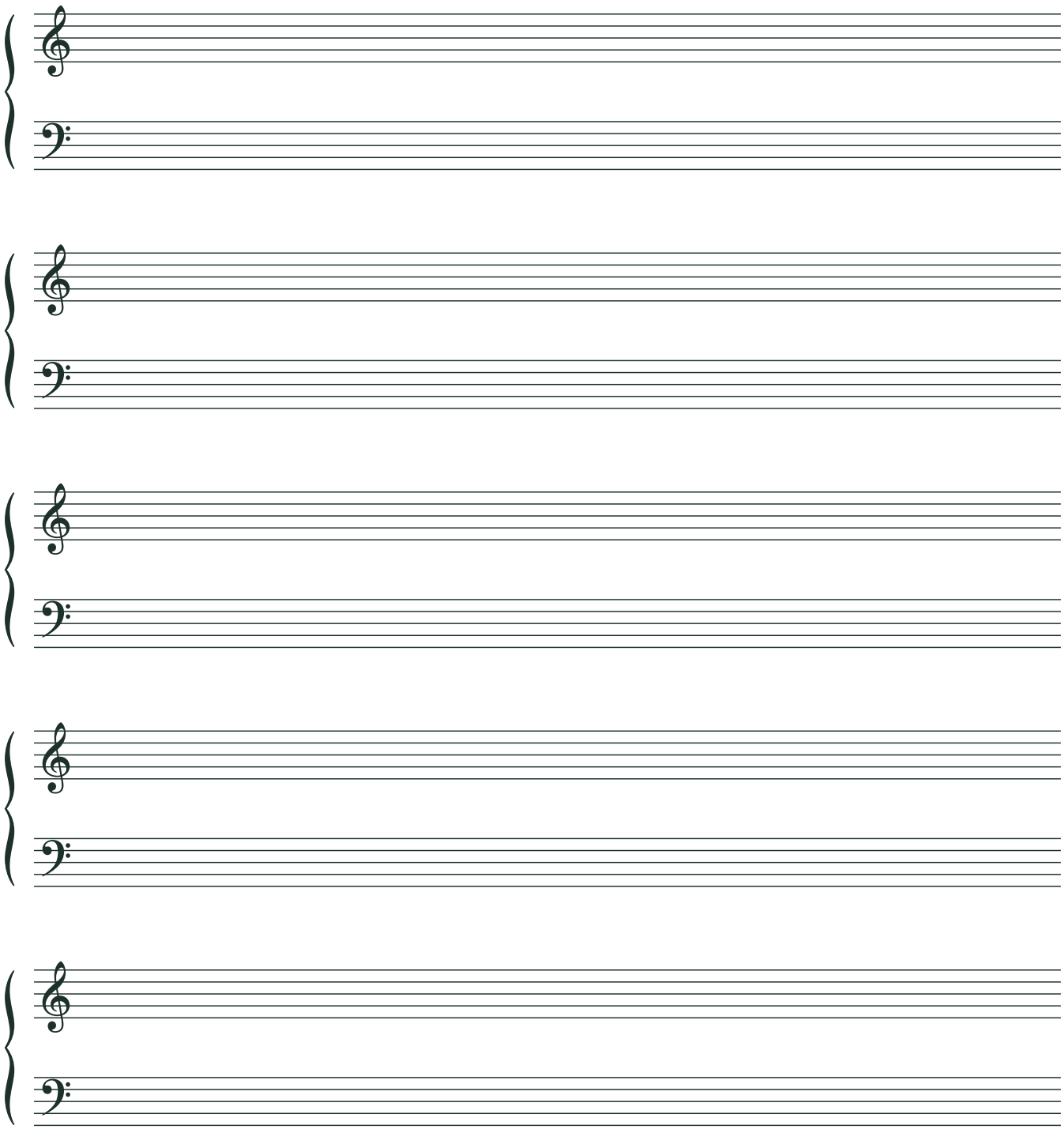
Worked / five grand systems: 26 mm, gap 14 mm; total 186 mm

