College-Ruled vs Graph:

Name:

Date:

College-Ruled vs Graph-Ruled Paper: A Printable Comparison Sheet

Worksheet measurement fields

Fields for recording measured college line spacing, graph square size, and measurement date.

College line spacing (mm) (mm)	

Graph square size (mm) (mm)	

Measurement date	

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Worksheet response space

Blank space for the reader to write one sentence under each sample describing its best use.

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Original tasks 1, 2, 3 / blank responses

Task 1

A college-ruled sample has lines 7.1 mm apart. A graph-ruled sample has 5 mm squares. A writer sets x-height to one small square. What is the x-height in millimetres, and how many millimetres shorter is it than the college line gap?

Task 2

On graph paper with 5 mm squares, a writer uses three squares for x-height. A line of ten lowercase letters is written. What is the total x-height in millimetres for one letter, and what vertical distance does the x-height band occupy?

Task 3

A comparison sheet shows a college-ruled sample with 7.1 mm line spacing and a graph-ruled sample with 5 mm squares. A reader counts 20 lines on the college sample. What vertical distance do those 20 line gaps cover in millimetres?

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Original tasks 4 / blank responses

Task 4

A writer wants the same x-height on both papers. The college line spacing is 7.1 mm and the graph square is 5 mm. Can x-height be set to exactly 7.1 mm using whole squares? Explain using arithmetic.