Graph Proportional Relationships from Ratio Tables: Plot, Draw, and Verify

Original task 1 / independent drawing and calculation

Task 1

A ratio table shows (2, 10), (4, 20), and (7, 35). Plot the pairs on a grid with horizontal axis 0 to 8 and vertical axis 0 to 40, draw the line through the origin, and state the constant of proportionality.

Keep the original task measurements. Use the full drawing sheet in this PDF for a response needing more room; use the stated paper size when a task specifies larger paper.

Graph Proportional Relationships from Ratio Tables: Plot, Draw, and Verify

Original task 2 / independent drawing and calculation

Task 2

A ratio table shows (3, 6), (5, 10), and (8, 16). Plot the pairs on a grid with horizontal axis 0 to 10 and vertical axis 0 to 20, draw the line, and verify the slope using (3, 6) and (8, 16).

Keep the original task measurements. Use the full drawing sheet in this PDF for a response needing more room; use the stated paper size when a task specifies larger paper.

Graph Proportional Relationships from Ratio Tables: Plot, Draw, and Verify

Original task 3 / independent drawing and calculation

Task 3

A ratio table shows (1, 3), (4, 12), and (6, 18). Plot the pairs on a grid with horizontal axis 0 to 7 and vertical axis 0 to 20, draw the line through the origin, and explain how you know the graph is proportional.

Keep the original task measurements. Use the full drawing sheet in this PDF for a response needing more room; use the stated paper size when a task specifies larger paper.

Graph Proportional Relationships from Ratio Tables: Plot, Draw, and Verify

Original task 4 / independent drawing and calculation

Task 4

A ratio table shows (2, 7), (4, 14), and (6, 21). Plot the pairs on a grid with horizontal axis 0 to 7 and vertical axis 0 to 25, draw the line, and verify the constant using two different pairs.

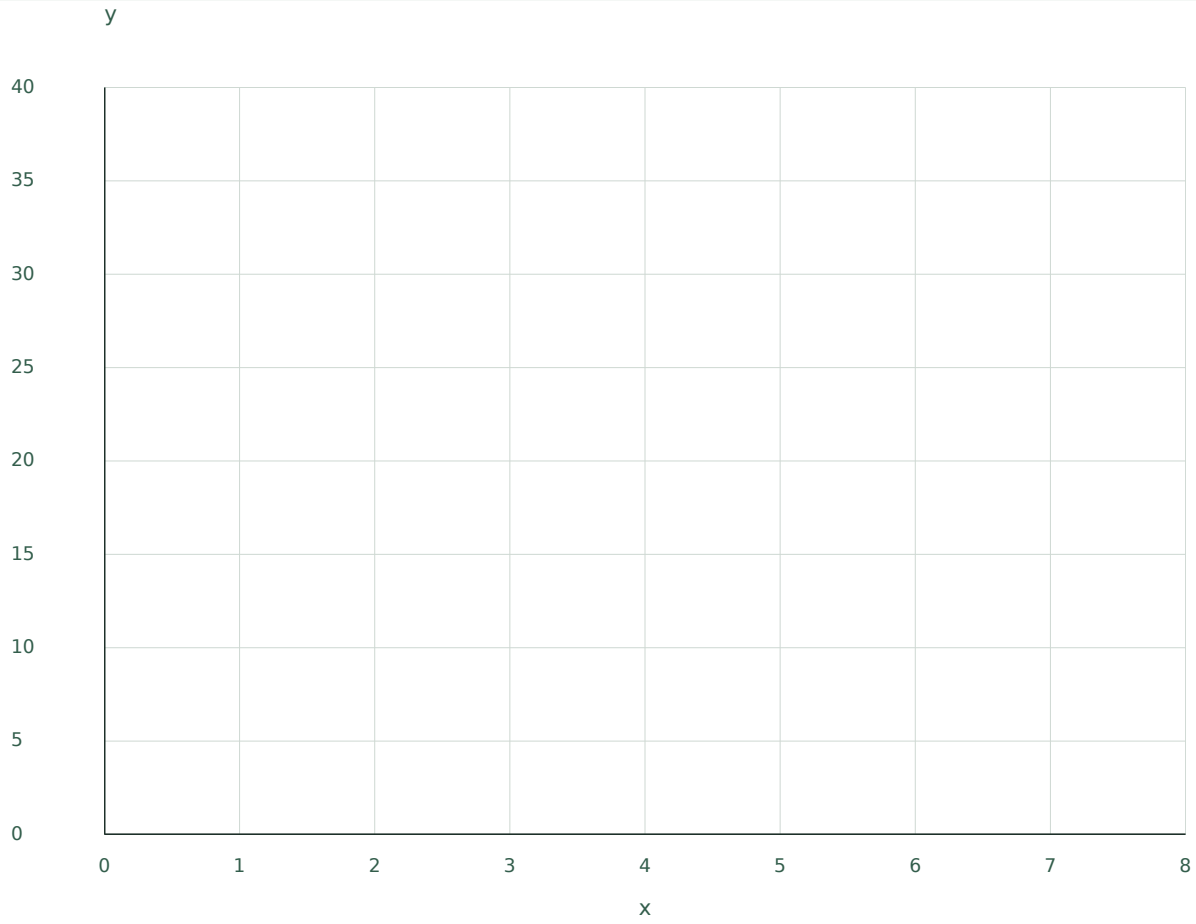
Keep the original task measurements. Use the full drawing sheet in this PDF for a response needing more room; use the stated paper size when a task specifies larger paper.

Full drawing sheet / reusable blank workspace

Reusable full drawing sheet for Tasks 1 to 4. Print another copy when needed. Keep all original task measurements; if a task specifies larger paper, use that paper size.

Graph Proportional Relationships from Ratio Tables: Plot, Draw, and Verify

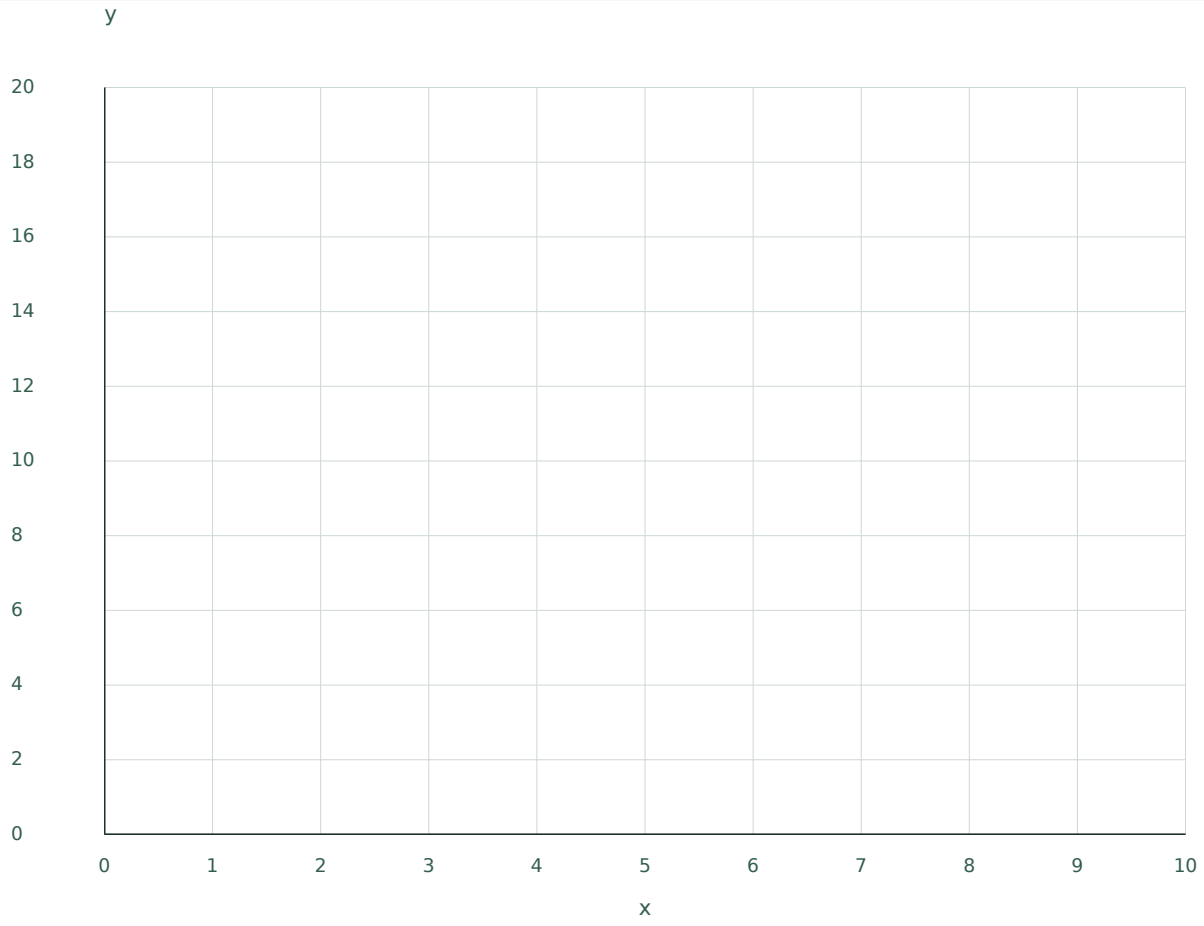
Task 1 / given or blank workspace



Student plotting workspace. No solution has been filled in.

Graph Proportional Relationships from Ratio Tables: Plot, Draw, and Verify

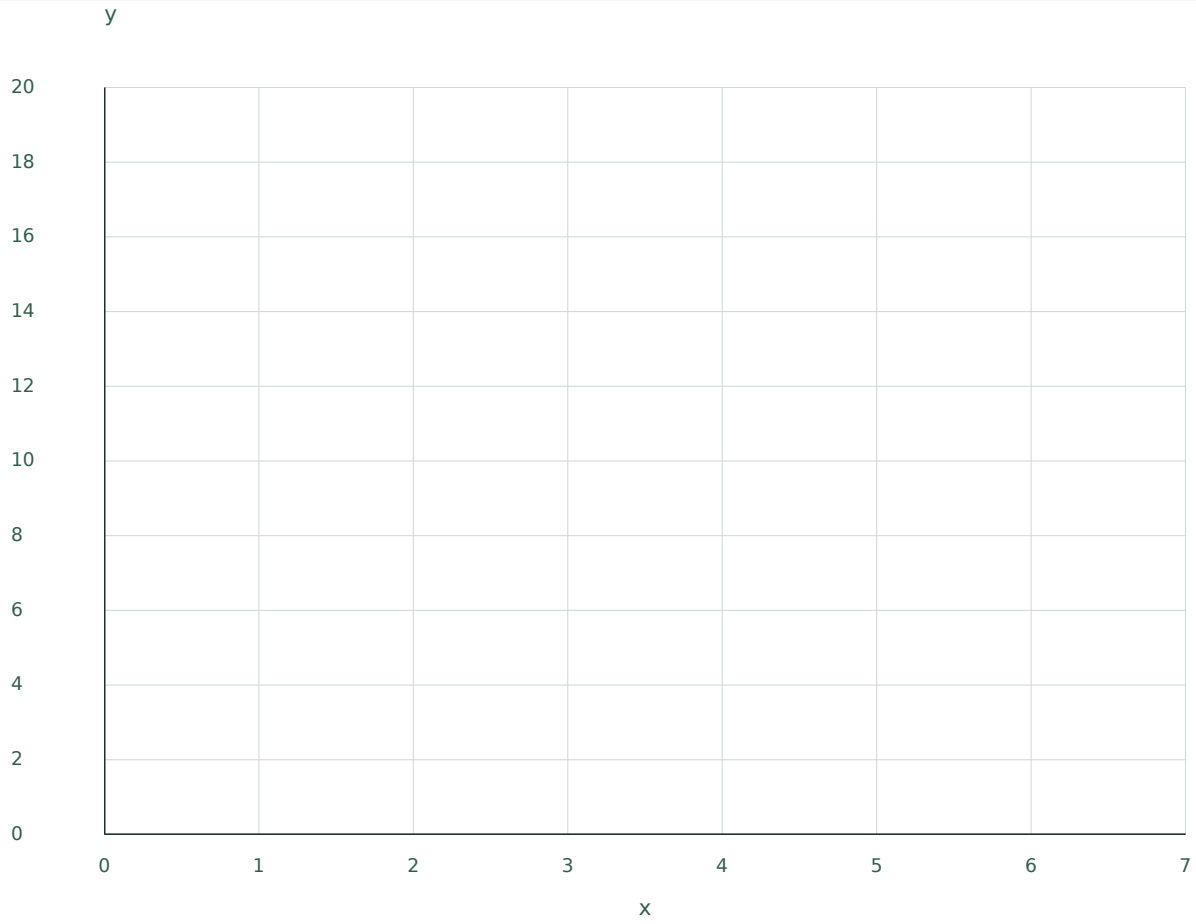
Task 2 / given or blank workspace



Student plotting workspace. No solution has been filled in.

Graph Proportional Relationships from Ratio Tables: Plot, Draw, and Verify

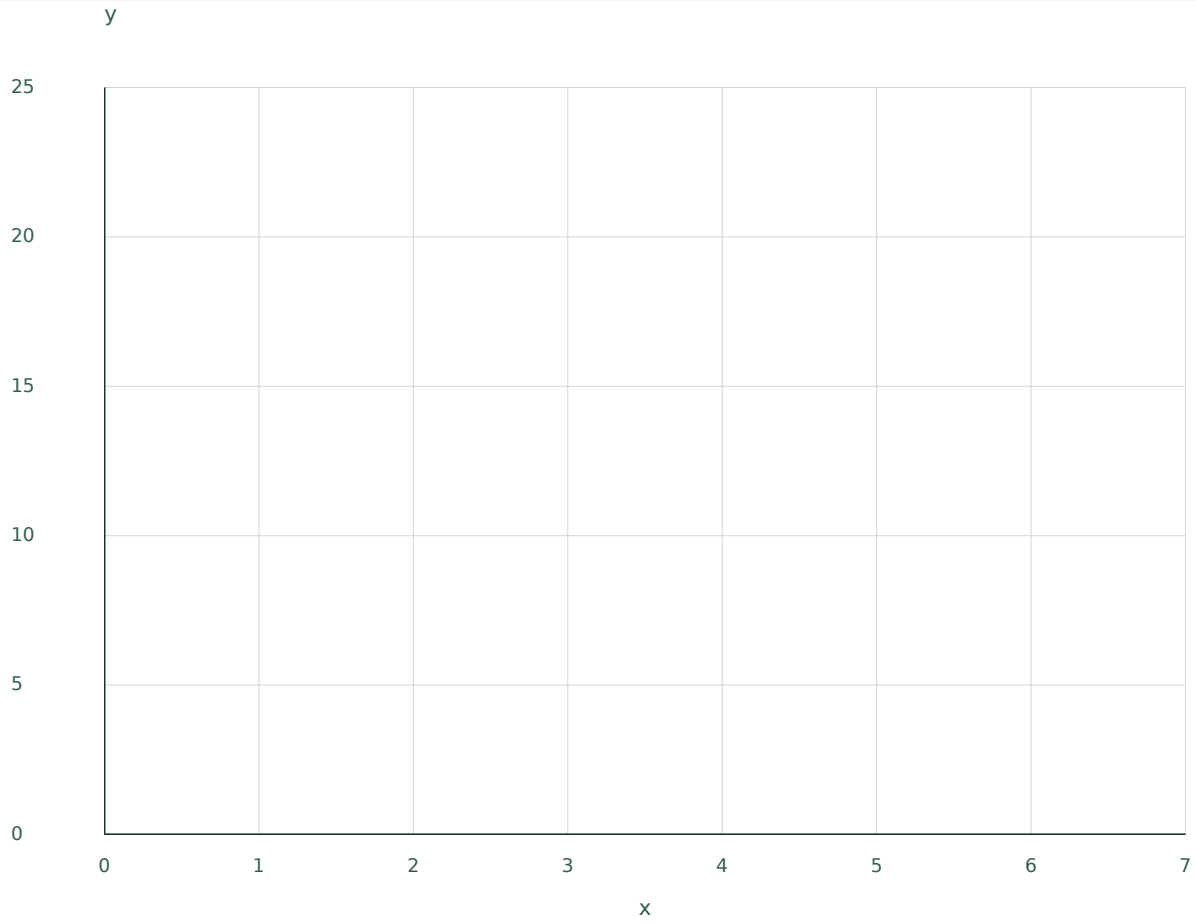
Task 3 / given or blank workspace



Student plotting workspace. No solution has been filled in.

Graph Proportional Relationships from Ratio Tables: Plot, Draw, and Verify

Task 4 / given or blank workspace



Student plotting workspace. No solution has been filled in.