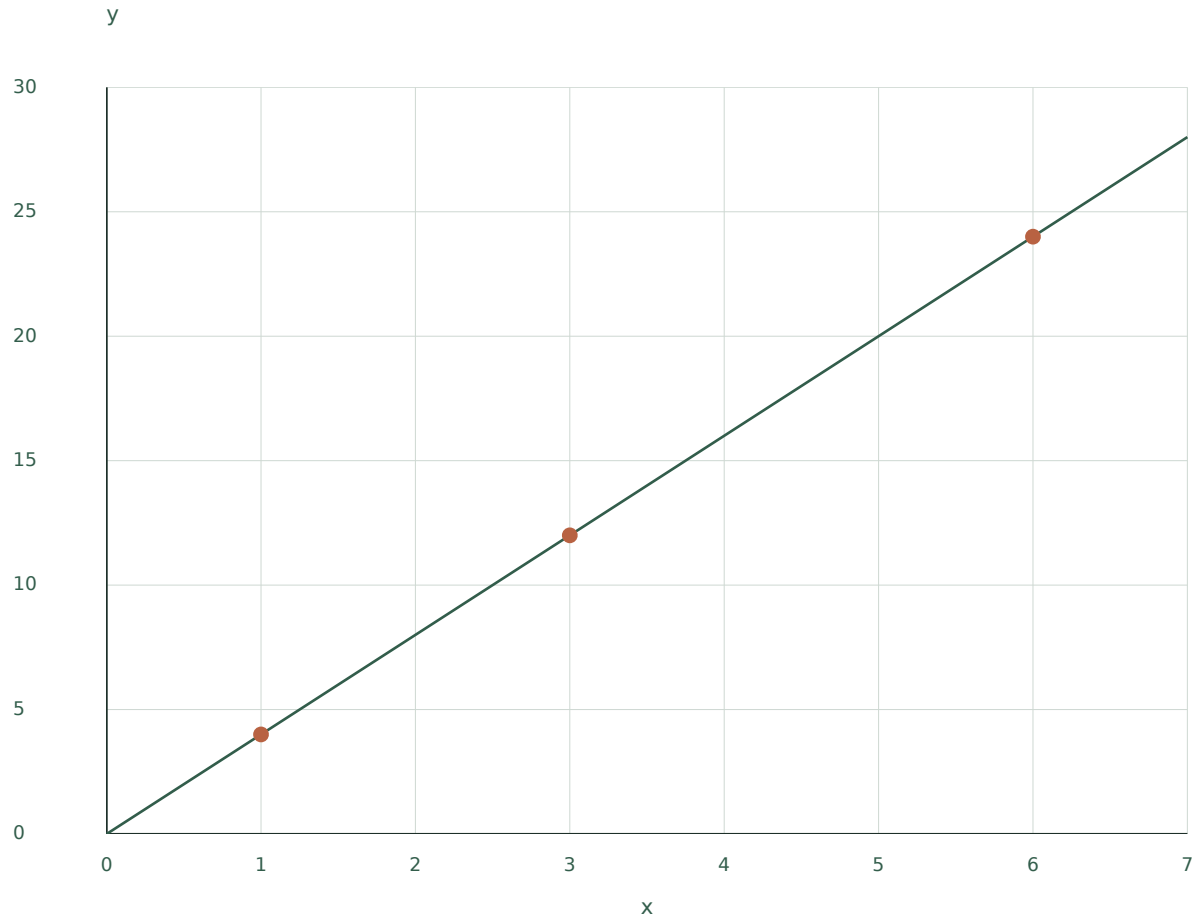
Graph Proportional Relationships from Ratio Tables: Plot, Draw, and Verify

Worked graph



The original ratio-table points are marked red. The proportional line passes through the origin; read each axis using its own labelled scale.

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

Original worked example / unchanged complete key

Prompt: A ratio table shows (1, 4), (3, 12), and (6, 24). Plot the pairs, draw the proportional line, and verify the constant of proportionality.

Answer: Each quotient equals 4, so k = 4. Plot (1, 4), (3, 12), and (6, 24); the points are collinear, and the line extended through the origin has slope 4. Checking (3, 12): 12 divided by 3 equals 4, matching k.