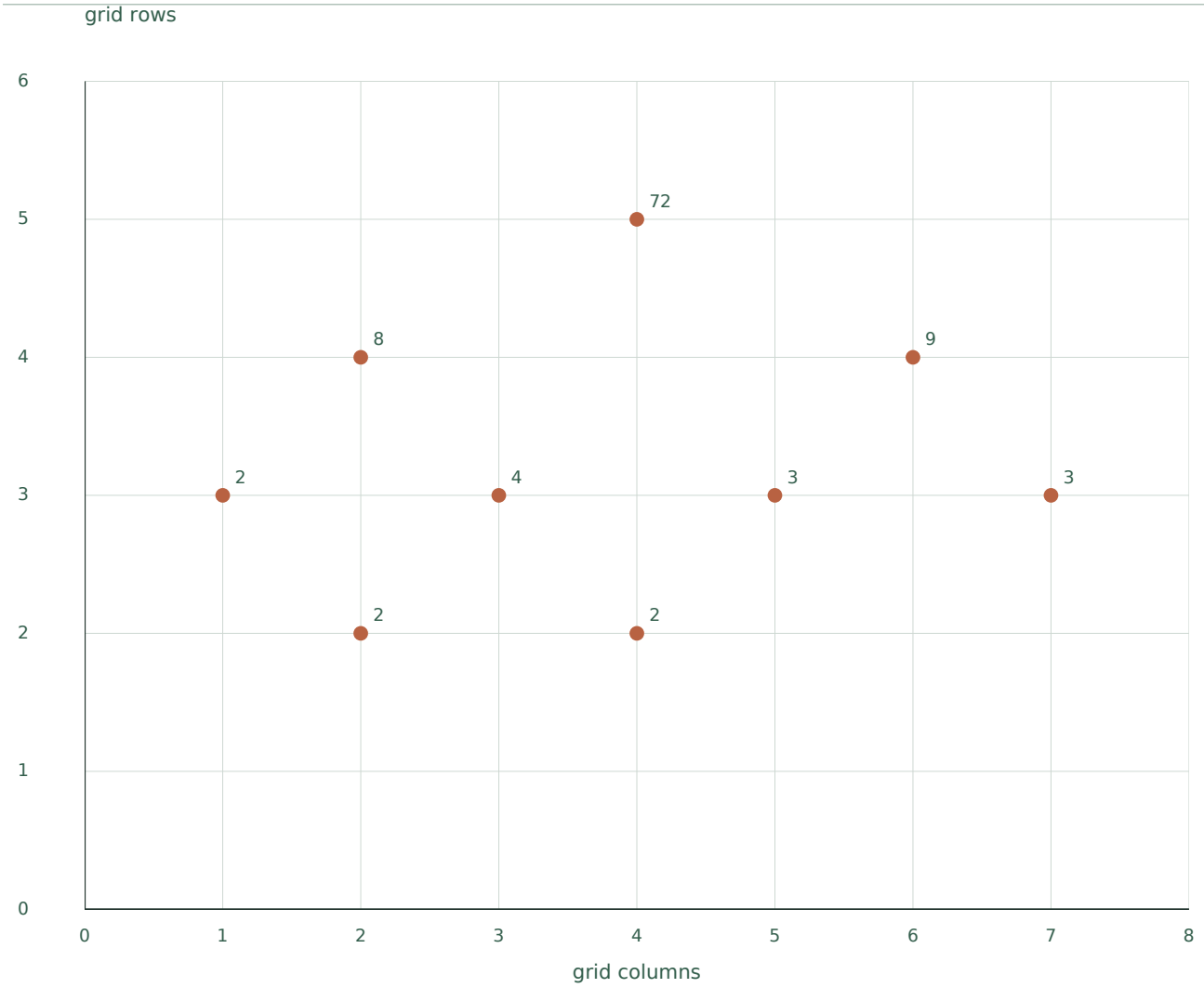
Simplifying Radicals on Graph Paper: Step-by-Step Grid Support

Factor tree for 72 on graph-paper cells



Factor tree: 72 -> 8 and 9; 8 -> 2 and 4; 4 -> 2 and 2; 9 -> 3 and 3. Prime factors: 2,2,2,3,3. Pairs: (2,2) and (3,3); one 2 remains unpaired inside. Outside product 2*3=6; inside 2; result 6*sqrt(2).

Simplifying Radicals on Graph Paper: Step-by-Step Grid Support

Perfect-square extraction for 50 in two columns

Hypothetical two-column layout: outside factors left, inside factors right; 8 mm cells.

Outside factors	Inside factors
5	2