Graphing Number Patterns from Rule Tables

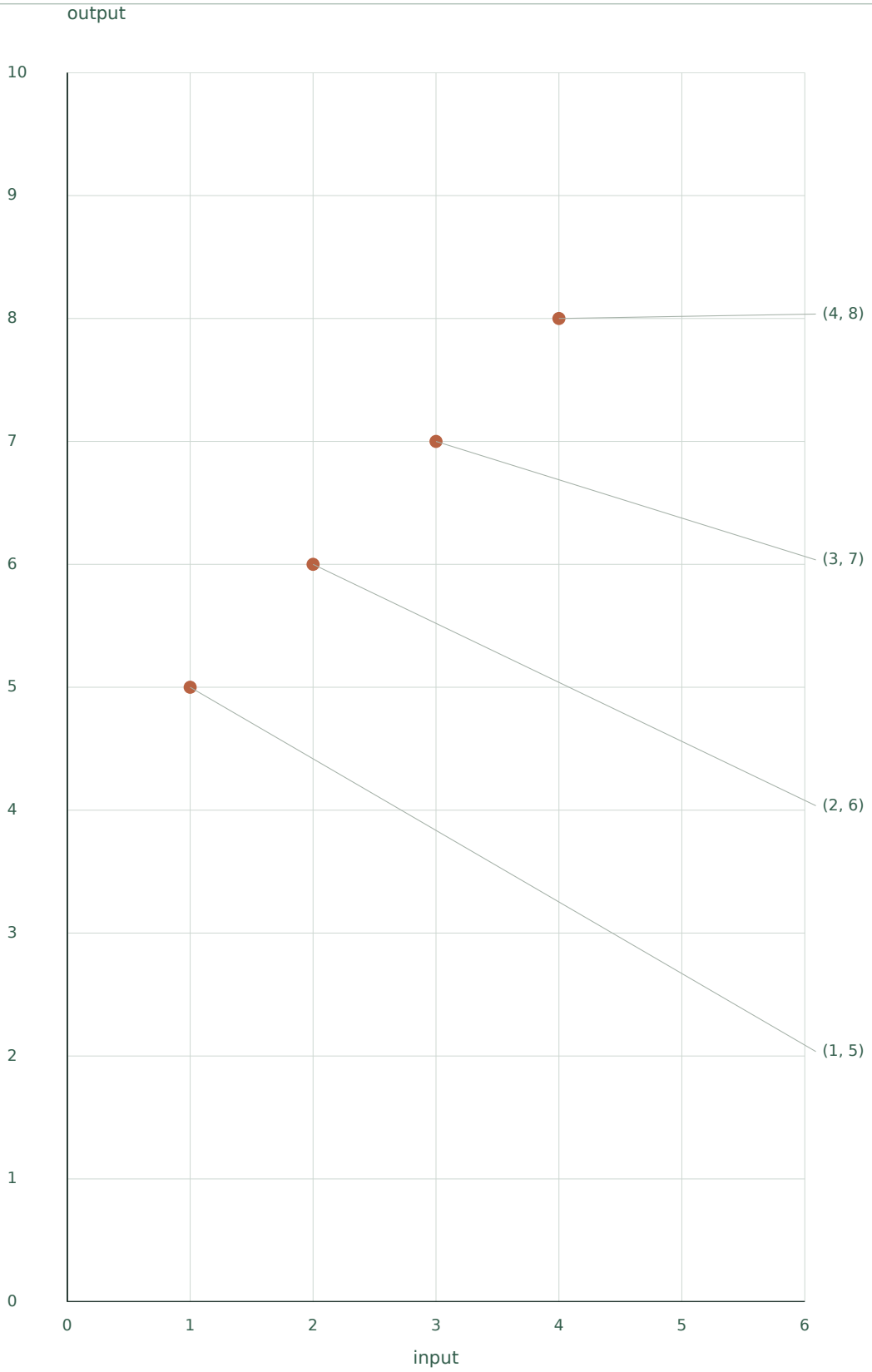
Original worked example / unchanged complete key

Prompt: A rule table uses the rule add four. The inputs are one, two, three, and four. Complete the table, plot the pairs on a coordinate plane, and state how the output grows as the input increases by one.

Answer: The outputs are five, six, seven, and eight, giving the pairs one comma five; two comma six; three comma seven; four comma eight. Plotted from the origin, the points rise steadily. Each time the input increases by one, the output increases by four, matching the rule add four.

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Worked example: add four plotted from the origin



Worked example reference plot of the four ordered pairs from the add four table. Coordinate labels sit outside the plot; thin grey leaders are annotations, not function curves.