Graphing Number Patterns from Rule Tables

Original task 1 / independent drawing and calculation

Task 1

A rule table uses the rule add two. The inputs are zero, one, two, and three. Complete the table, plot the four pairs on a coordinate plane, and state the growth in the output when the input increases by one.

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.

Graphing Number Patterns from Rule Tables

Original task 2 / independent drawing and calculation

Task 2

A rule table uses the rule add five. The inputs are one, two, three, and four. Complete the table, plot the pairs, and explain why the points rise by the same amount each time.

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.

Graphing Number Patterns from Rule Tables

Original task 3 / independent drawing and calculation

Task 3

A rule table uses the rule subtract one. The inputs are three, four, five, and six. Complete the table, plot the pairs, and describe how the output changes as the input increases by one.

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.

Graphing Number Patterns from Rule Tables

Original task 4 / independent drawing and calculation

Task 4

A rule table uses the rule add three. The inputs are two, four, six, and eight. Complete the table, plot the pairs, and state the growth in the output when the input increases by two.

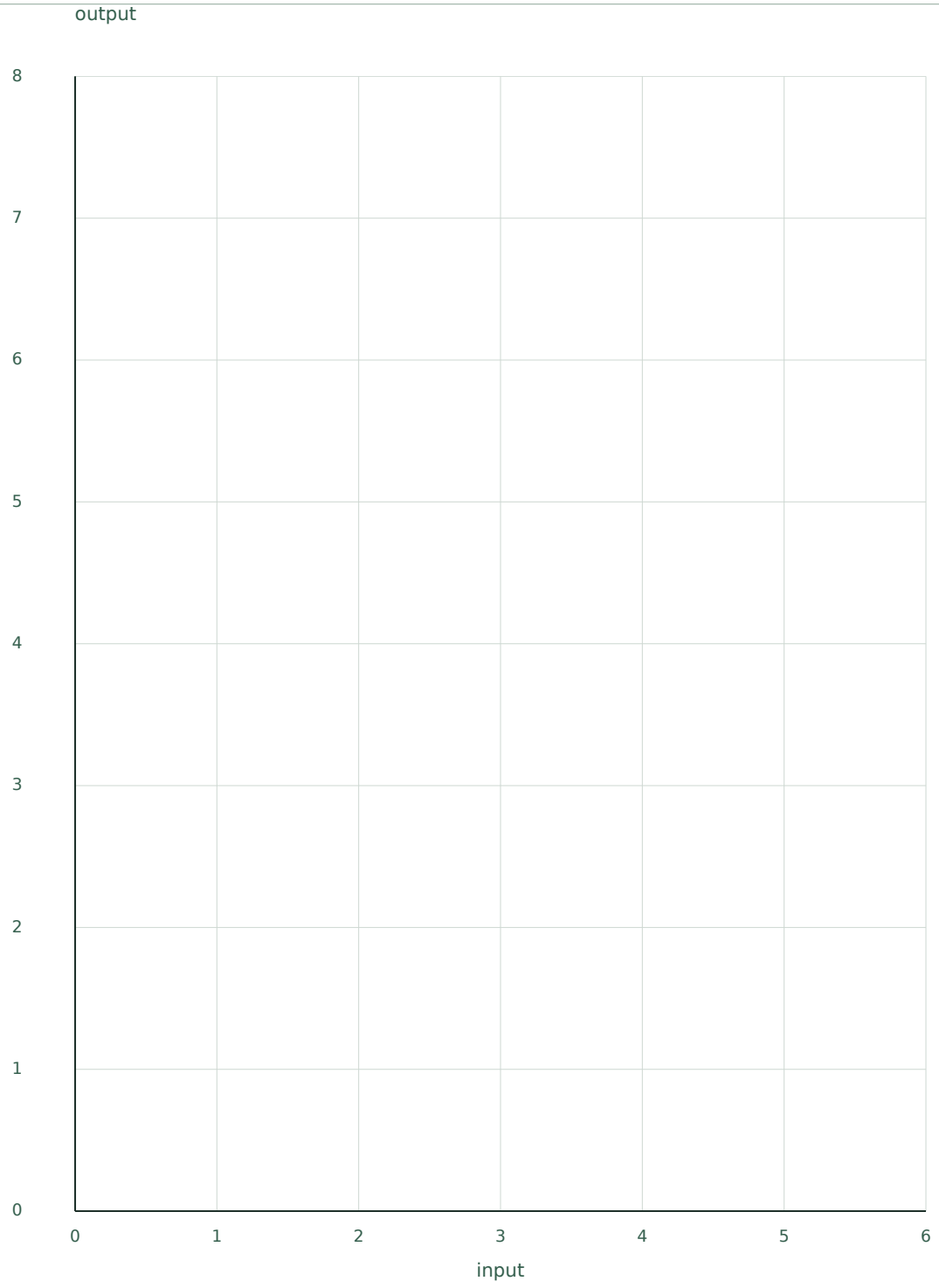
Keep the original task measurements. Use the full drawing sheet in this PDF for a response needing more room; use the stated paper size when a task specifies larger paper.

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.

Graphing Number Patterns from Rule Tables

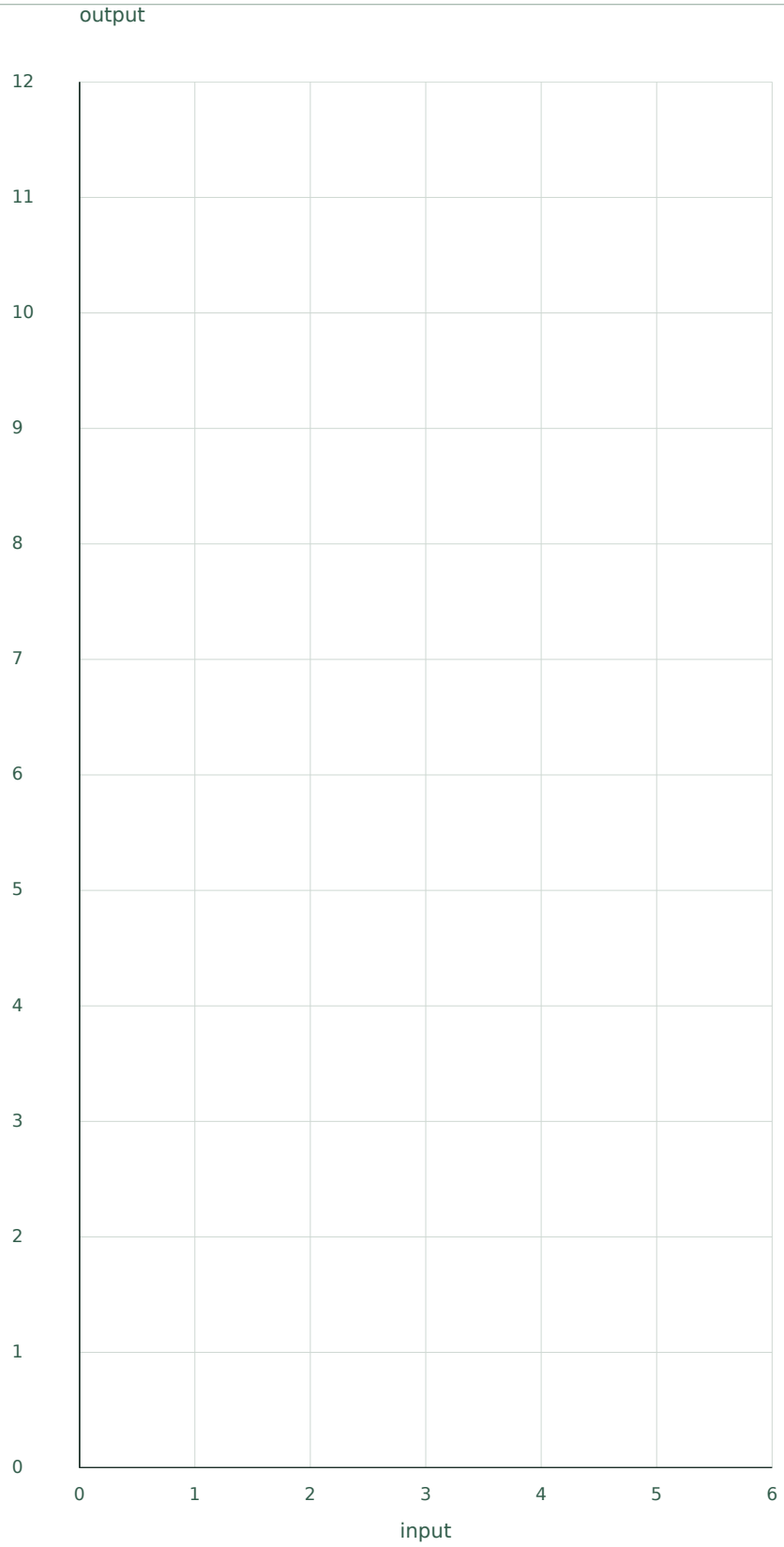
Blank coordinate plane for plotting add two pairs



Blank student coordinate plane; no points or curves supplied.

Graphing Number Patterns from Rule Tables

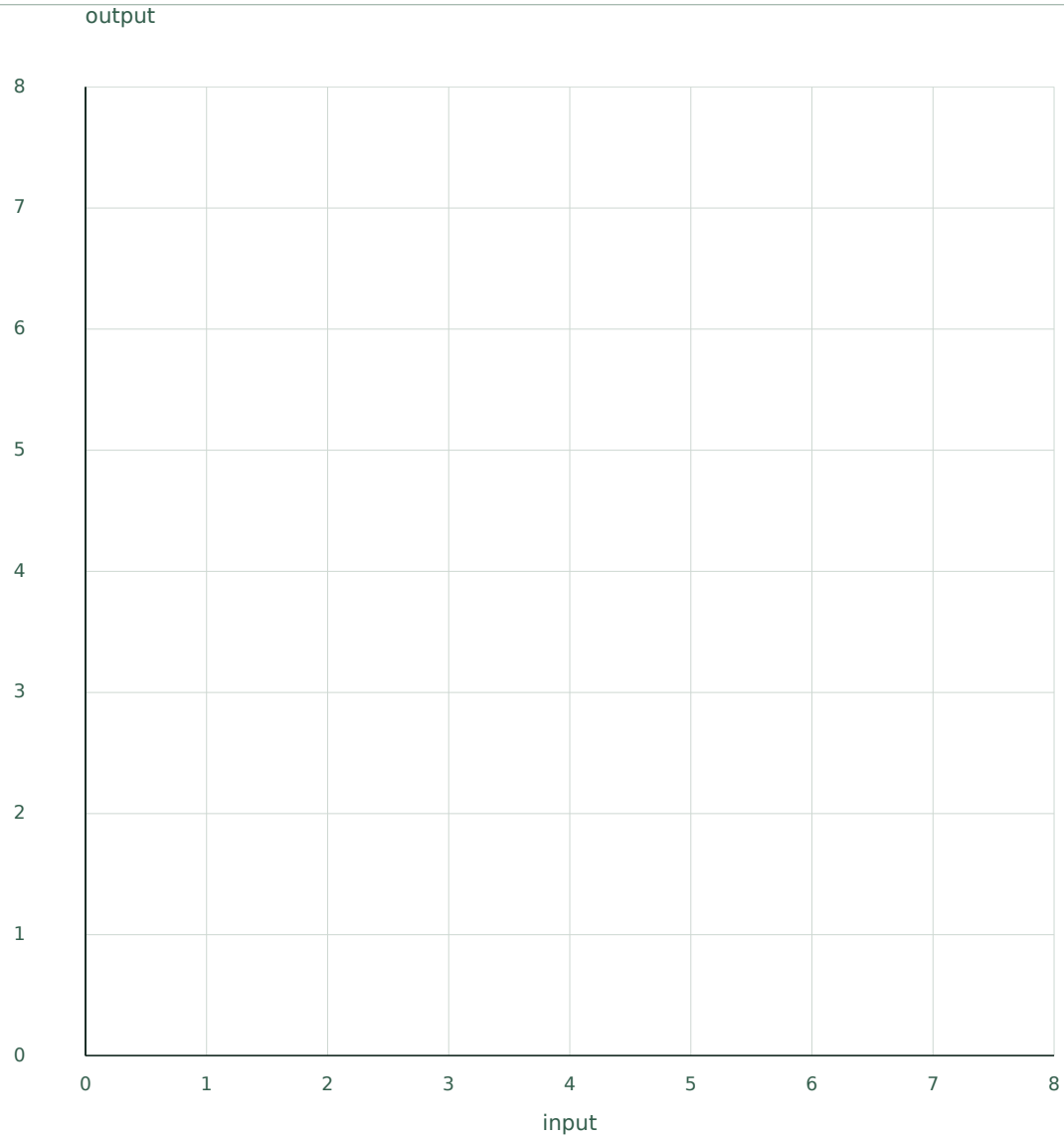
Blank coordinate plane for plotting add five pairs



Blank student coordinate plane; no points or curves supplied.

Graphing Number Patterns from Rule Tables

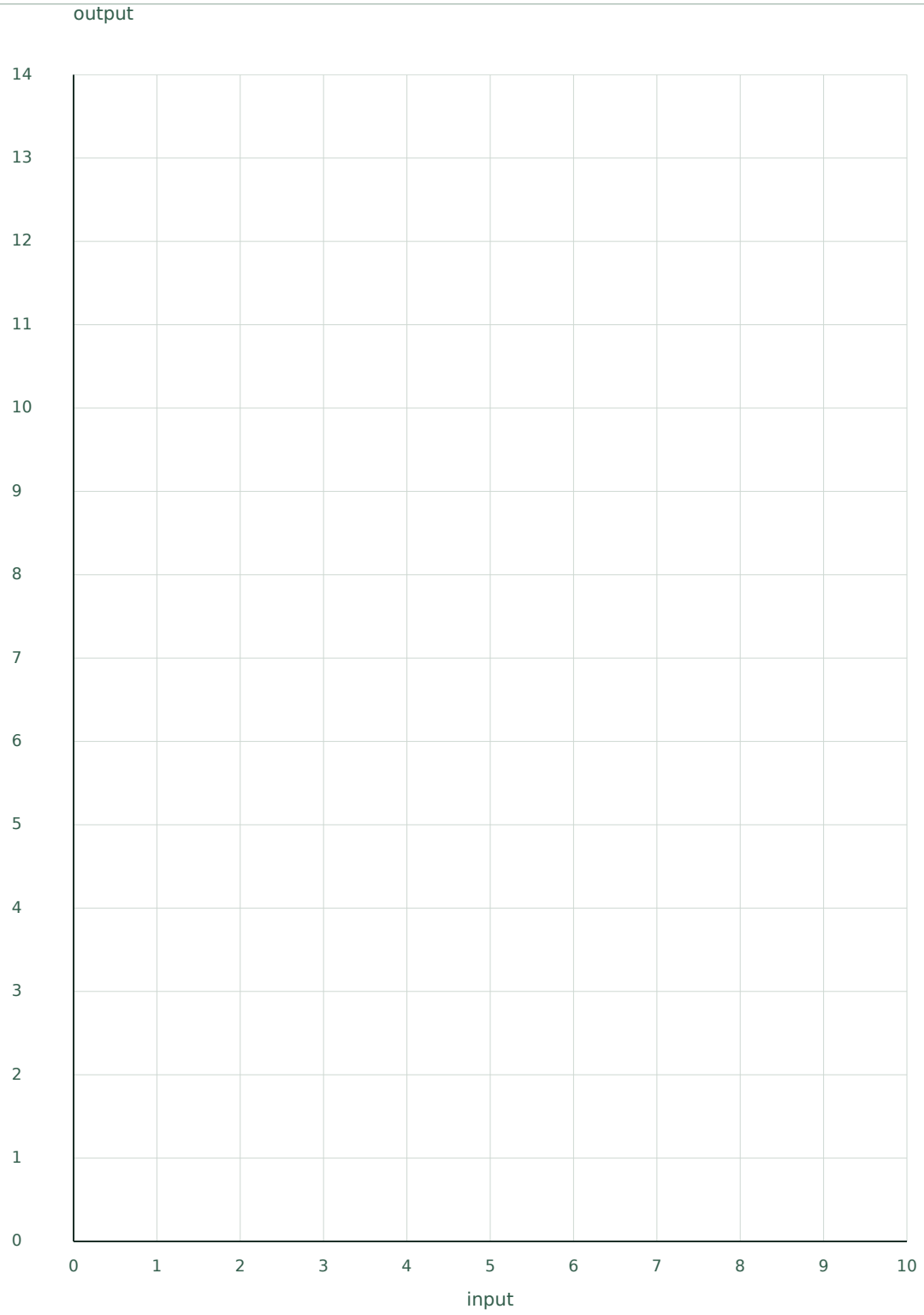
Blank coordinate plane for plotting subtract one pairs



Blank student coordinate plane; no points or curves supplied.

Graphing Number Patterns from Rule Tables

Blank coordinate plane for plotting add three pairs



Blank student coordinate plane; no points or curves supplied.