Blank Function Table Template: Input, Rule, Output Practice

Answer Sheet: Outputs, Reasoning, and Check Methods

Text-only key listing outputs, reasoning, and check methods for each exercise, plus the worked example.

Worked example: Complete a table for the rule multiply by 4 then add 3 using inputs 1, 2, and 5. Label columns Input, Rule, Output.

Worked example answer: Input 1 gives 1 times 4 equals 4, then 4 plus 3 equals 7. Input 2 gives 8 plus 3 equals 11. Input 5 gives 20 plus 3 equals 23. Outputs are 7, 11, and 23.

Exercise 1 answer: Input 3 gives 6 minus 1 equals 5. Input 4 gives 8 minus 1 equals 7. Input 6 gives 12 minus 1 equals 11. Outputs are 5, 7, and 11.

Exercise 1 reasoning: Apply multiplication first, then subtraction, for each row independently.

Exercise 1 check: Reverse one row: add 1 to the output, then divide by 2. For output 11, 11 plus 1 equals 12, and 12 divided by 2 equals 6, matching the input.

Exercise 2 answer: Input 0 gives 0 plus 5 equals 5, then 5 times 3 equals 15. Input 2 gives 7 times 3 equals 21. Input 4 gives 9 times 3 equals 27. Outputs are 15, 21, and 27. Reasoning: Addition occurs before multiplication because the rule states add then multiply. Check: Reverse one row: divide the output by 3, then subtract 5. For output 21, 21 divided by 3 equals 7, and 7 minus 5 equals 2, matching the input.

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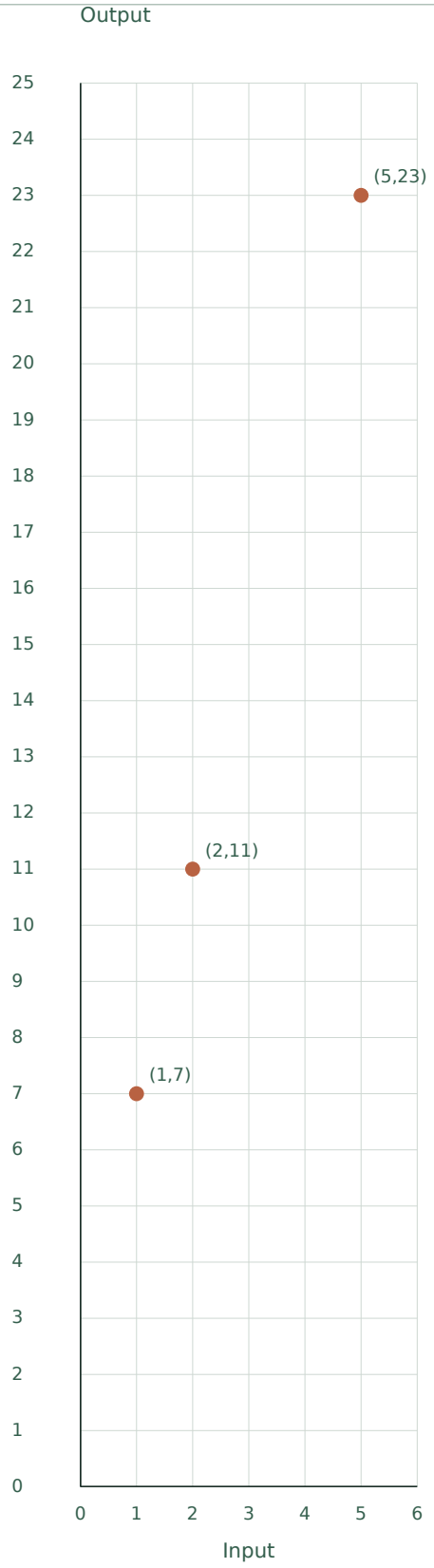
Completed Table and Optional Coordinate Grid

Completed worked-example table (rule multiply by 4 then add 3; inputs 1, 2, 5; outputs 7, 11, 23) and an optional grid with plotted points (1,7), (2,11), (5,23). Numerical scales are hypothetical teaching choices.

Input	Rule	Output
1	multiply by 4 then add 3	7
2	multiply by 4 then add 3	11
5	multiply by 4 then add 3	23

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Optional Coordinate Grid for Worked Example



Optional grid; table is the required record.