



# Patterns and Input/Output Tables

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Grade: Grade 4

## Part A: Fill in the Blank

Write the missing word or number on each line.

1. If a Grade 4 table shows input 2 maps to output 7, the function rule could be input plus \_\_\_\_\_ .
2. Using the Grade 4 rule input plus 5, the output for input 8 is \_\_\_\_\_ .
3. If a Grade 4 rule is input times 3 minus 2, the output for input 4 is \_\_\_\_\_ .
4. Using the Grade 4 rule input times 3 minus 2, the output for input 5 is \_\_\_\_\_ .
5. If a Grade 4 table shows input 6 maps to output 24, the rule could be input times \_\_\_\_\_ .
6. Using the Grade 4 rule input times 2 plus 1, the output for input 7 is \_\_\_\_\_ .
7. If a Grade 4 rule maps input 10 to output 5, the rule could be input divided by \_\_\_\_\_ .
8. If a Grade 4 rule is input times 4 plus 3, the output for input 2 is \_\_\_\_\_ .
9. If a Grade 4 table shows input 9 maps to output 14, the rule could be input plus \_\_\_\_\_ .

## Part B: Matching

Match each item on the left to the correct answer on the right.

1. Match each item to its correct answer.

Grade 4 rule input plus 5, input 6	→ _____	output is 11
Grade 4 rule input times 3 minus 2, input 4	→ _____	output is 10
Grade 4 rule input times 2, input 9	→ _____	output is 18
Grade 4 rule input minus 7, input 15	→ _____	output is 8

## Answer Key · Patterns and Input/Output Tables · Grade: Grade 4

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### Part A: Fill in the Blank

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Write the missing word or number on each line.

1. If a Grade 4 table shows input 2 maps to output 7, the function rule could be input plus 5 .
2. Using the Grade 4 rule input plus 5, the output for input 8 is 13 .
3. If a Grade 4 rule is input times 3 minus 2, the output for input 4 is 10 .
4. Using the Grade 4 rule input times 3 minus 2, the output for input 5 is 13 .
5. If a Grade 4 table shows input 6 maps to output 24, the rule could be input times 4 .
6. Using the Grade 4 rule input times 2 plus 1, the output for input 7 is 15 .
7. If a Grade 4 rule maps input 10 to output 5, the rule could be input divided by 2 .
8. If a Grade 4 rule is input times 4 plus 3, the output for input 2 is 11 .
9. If a Grade 4 table shows input 9 maps to output 14, the rule could be input plus 5 .

### Part B: Matching

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Match each item on the left to the correct answer on the right.

1. Match each item to its correct answer.

Grade 4 rule input plus 5, input 6	→ <u>output is 11</u>	output is 11
Grade 4 rule input times 3 minus 2, input 4	→ <u>output is 10</u>	output is 10
Grade 4 rule input times 2, input 9	→ <u>output is 18</u>	output is 18
Grade 4 rule input minus 7, input 15	→ <u>output is 8</u>	output is 8