



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. Input 6 with rule multiply by 4 gives output _____ .
2. Input 15 with rule subtract 8 gives output _____ .
3. If the rule is add 12 and the input is 9, the Grade 4 output is _____ .
4. If the rule is divide by 3 and the input is 27, the Grade 4 output is _____ .
5. If output 32 came from input 8, the rule is multiply by _____ .
6. If output 14 came from input 2, the Grade 4 rule is multiply by _____ .
7. If input 11 and rule add 9 are given, the Grade 4 output is _____ .
8. When the rule is subtract 6 and the output is 14, the Grade 4 input was _____ .
9. When input 5 with rule multiply by 9 gives output _____ .

Part B: Matching

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

1. Match each item to its correct answer.

Input 8, rule add 15	→ _____	Output 23
Input 6, rule multiply by 7	→ _____	Output 42
Input 36, rule divide by 9	→ _____	Output 4
Input 14, rule subtract 9	→ _____	Output 5

Part A: Fill in the Blank

Write the missing word or number on each line.

1. Input 6 with rule multiply by 4 gives output 24 .
2. Input 15 with rule subtract 8 gives output 7 .
3. If the rule is add 12 and the input is 9, the Grade 4 output is 21 .
4. If the rule is divide by 3 and the input is 27, the Grade 4 output is 9 .
5. If output 32 came from input 8, the rule is multiply by 4 .
6. If output 14 came from input 2, the Grade 4 rule is multiply by 7 .
7. If input 11 and rule add 9 are given, the Grade 4 output is 20 .
8. When the rule is subtract 6 and the output is 14, the Grade 4 input was 20 .
9. When input 5 with rule multiply by 9 gives output 45 .

Part B: Matching

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

1. Match each item to its correct answer.

Input 8, rule add 15	→ <u>Output 23</u>	Output 23
Input 6, rule multiply by 7	→ <u>Output 42</u>	Output 42
Input 36, rule divide by 9	→ <u>Output 4</u>	Output 4
Input 14, rule subtract 9	→ <u>Output 5</u>	Output 5