



Patterns and Input/Output Tables

Name: _____

Date: _____

Grade: Grade 4

Part A: Multiple Choice

Circle the best answer for each question.

1. If the Grade 4 rule is multiply by 2 then add 1, what output does input 3 give?

- A) 6
- B) 7
- C) 8
- D) 9

2. Using the Grade 4 rule multiply by 3 then subtract 2, what is the output for input 5?

- A) 11
- B) 12
- C) 13
- D) 14

3. If the Grade 4 rule is multiply by 4 plus 3 and the output is 23, what was the input?

- A) 3
- B) 4
- C) 5
- D) 6

4. For the Grade 4 rule add 2 then multiply by 5, what output does input 4 give?

- A) 20
- B) 22
- C) 30
- D) 32

Part B: Fill in the Blank

Write the correct answer on each line.

1. Using the Grade 4 rule multiply by 2 plus 1, input 6 gives output _____.
2. If the Grade 4 rule is multiply by 3 minus 4 and input is 5, the output is _____.
3. With the Grade 4 rule multiply by 5 plus 2, output 27 came from input _____.
4. Using the Grade 4 rule add 3 then multiply by 4, input 2 gives output _____.
5. If the Grade 4 rule is multiply by 6 minus 5 and the input is 4, the output is _____.

Part A: Multiple Choice

Circle the best answer for each question.

1. If the Grade 4 rule is multiply by 2 then add 1, what output does input 3 give?

- A) 6
- B) 7
- C) 8
- D) 9

2. Using the Grade 4 rule multiply by 3 then subtract 2, what is the output for input 5?

- A) 11
- B) 12
- C) 13
- D) 14

3. If the Grade 4 rule is multiply by 4 plus 3 and the output is 23, what was the input?

- A) 3
- B) 4
- C) 5
- D) 6

4. For the Grade 4 rule add 2 then multiply by 5, what output does input 4 give?

- A) 20
- B) 22
- C) 30
- D) 32

Part B: Fill in the Blank

Write the correct answer on each line.

1. Using the Grade 4 rule multiply by 2 plus 1, input 6 gives output 13 .
2. If the Grade 4 rule is multiply by 3 minus 4 and input is 5, the output is 11 .
3. With the Grade 4 rule multiply by 5 plus 2, output 27 came from input 5 .
4. Using the Grade 4 rule add 3 then multiply by 4, input 2 gives output 20 .
5. If the Grade 4 rule is multiply by 6 minus 5 and the input is 4, the output is 19 .