



# Patterns and Input/Output Tables

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

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

Grade: Grade 4

## Part A: Multiple Choice

Circle the best answer for each question.

1. A Grade 4 table shows inputs 1, 2, 3 with outputs 5, 10, 15. What is the function rule?

- A) input plus 4
- B) input times 5
- C) input times 4 plus 1
- D) input plus 5

2. A Grade 4 table shows inputs 4, 5, 6 with outputs 11, 13, 15. What is the function rule?

- A) input plus 7
- B) input times 2 plus 3
- C) input times 3 minus 1
- D) input plus 9

3. A Grade 4 table shows inputs 10, 20, 30 with outputs 2, 4, 6. What is the function rule?

- A) input minus 8
- B) input divided by 5
- C) input divided by 10 times 2
- D) input minus 18

4. A Grade 4 table shows inputs 7, 8, 9 with outputs 14, 16, 18. What is the function rule?

- A) input plus 7
- B) input times 2
- C) input times 3 minus 7
- D) input plus 9

## Part B: Fill in the Blank

Write the correct answer on each line.

1. A Grade 4 table shows input 3 maps to output 12 and input 5 maps to output 20; the rule is input times \_\_\_\_\_.
2. A Grade 4 table shows input 6 maps to output 13 and input 9 maps to output 16; the rule is input plus \_\_\_\_\_.
3. A Grade 4 table shows input 2 maps to output 9 and input 4 maps to output 17; the rule is input times 4 plus \_\_\_\_\_.
4. A Grade 4 table shows input 10 maps to output 5 and input 18 maps to output 9; the rule is input divided by \_\_\_\_\_.
5. A Grade 4 table shows input 5 maps to output 13 and input 8 maps to output 22; the rule is input times 3 minus \_\_\_\_\_.

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3. A Grade 4 table shows input 2 maps to output 9 and input 4 maps to output 17; the rule is input times 4 plus 1 .

4. A Grade 4 table shows input 10 maps to output 5 and input 18 maps to output 9; the rule is input divided by 2 .

5. A Grade 4 table shows input 5 maps to output 13 and input 8 maps to output 22; the rule is input times 3 minus 2 .