Input-Output Tables Review

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Understanding Mathematical Patterns

Name: _____ Date: _____

Answer the following questions based on what you learned about input-output tables and patterns.

1. What is an input-output table used for?

- **A.** To show how one number changes to another
- **B.** To list all the numbers in a sequence
- **C.** To add and subtract numbers

2. What rule did you discover in your table?

3. Understanding patterns helps us appreciate God's ___ in creation.

4. Input-output tables do not show any mathematical relationships.

◯ True ◯ False

5. Which of the following is an example of a rule?

- **A.** Adding 2
- **B.** Subtracting 5
- **C.** Dividing by 3

6. How do mathematicians discover hidden patterns in input-output tables?

7. Every input-output table has a special ___ that transforms numbers.

8. God's order in creation is reflected by the patterns we see in math.

◯ True ◯ False

9. What can you learn from studying input-output tables?

- **A.** How to tell stories
- **B.** How to find patterns
- **C.** How to cook food

10. How might understanding patterns help us appreciate God's wisdom?

Answer Key

1. To show how one number changes to another 2. I discovered that the rule was adding 3 to each input to get the output. 3. wisdom 4. False 5. Adding 2 6. They look for consistent changes between inputs and outputs to find a rule. 7. rule 8. True 9. How to find patterns 10. Understanding patterns shows us that there is order in the world, just like God created everything with purpose.