

Function Tables and Variables Review

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Understanding Patterns and Functions

Name: _____

Date: _____

Answer the following questions based on what you've learned about function tables and variables.

1. What is a variable in mathematics?

- A. A number that changes
- B. A fixed number
- C. A type of function

2. How do we determine a function table's rule?

3. Function tables show how input values relate to output values based on a specific rule.

- True False

4. Each input in a function table has a corresponding ____ based on a consistent rule.

5. What does the scripture Proverbs 3:19 suggest about God's creation?

- A. It is random
- B. It is based on wisdom and understanding
- C. It is chaotic

6. How might mathematical patterns reveal God's orderly creation?

7. The only variables we use in function tables are 'x' and 'y'.

- True False

8. A function table is used to show how ____ values change through a specific rule.

9. Which of the following is an example of a pattern you might see in nature?

- A. The seasons changing
- B. A random arrangement of leaves
- C. Colors that clash

10. What is one way to complete a function table using a mathematical rule?

Answer Key

1. A number that changes 2. We look at how the input values change to find a consistent pattern or relationship to create the output values. 3. True 4. output 5. It is based on wisdom and understanding 6. Mathematical patterns show how everything is designed with purpose and precision, reflecting God's order in the universe. 7. False 8. input 9. The seasons changing 10. You can add a specific number to each input to find the corresponding output. For example, if the rule is to add 2, then 1 becomes 3, 2 becomes 4, etc.