Multi-Step Pattern Rules Review

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Understanding Patterns and Functions

Name: _____ Date: _____

Answer the following questions based on what you learned about multi-step patterns.

1. What is one example of a multi-step pattern rule mentioned in the lesson?

- **A.** Add 5
- **B.** Multiply by 2, then add 3
- **C.** Subtract 1

2. How might mathematical patterns reflect God's design? Give an example.

3. Understanding patterns helps us learn math by developing ___ thinking.

4. Patterns in nature can be considered complex patterns.

◯ True ◯ False

5. Why is it important to be curious and persistent when working with patterns?

6. Which of the following does not describe complex patterns?

- **A.** Involves multiple operations
- **B.** Follows a simple rule
- **C.** Requires sequential thinking

7. Proverbs 2:6 reminds us that Yahweh gives ___ and understanding.

8. Patterns reveal chaos and randomness in mathematics.

◯ True ◯ False

9. What was your favorite pattern rule today? Explain why.

10. What is the purpose of the Pattern Detective Challenge activity?

- **A.** To practice solving equations
- **B.** To create and solve multi-step pattern challenges
- **C.** To learn addition and subtraction

Answer Key

1. Multiply by 2, then add 3 2. Mathematical patterns show order and consistency, similar to how God created the world in an orderly way. 3. sequential 4. True 5. Being curious helps us explore different possibilities, and persistence allows us to solve challenging problems. 6. Follows a simple rule 7. wisdom 8. False 9. My favorite rule was 'multiply by 2, then add 3' because it was fun to see how quickly the numbers grew. 10. To create and solve multi-step pattern challenges