Student Name:	
Class:	
Due Date:	

Introduction to Patrones y Secuencias

Welcome to the world of patrones y secuencias! Patterns and sequences are all around us, and understanding them is crucial for problem-solving and critical thinking. In this worksheet, we will explore different types of patterns and sequences, including numerical, geometric, and algebraic sequences.

Activity 1: Pattern Identification

Look at the following patterns and identify the next term in each sequence:
1. 2, 4, 6, 8, 10,
2. 1, 2, 4, 8, 16,
3. 3, 6, 9, 12, 15,

Activity 2: Sequence Creation

Create your own sequence using a specific rule or pattern. For example, you can use a numerical sequence, a geometric sequence, or an algebraic sequence. Write down your sequence and explain the rule or pattern you used to create it.	

Activity 3: Real-World Applications

Research and write about a real-world application of patterns and sequences that interests you. How are patterns and sequences used in this application? What are the benefits and limitations of using patterns and sequences in this context?

Activity 4: Pattern Blocks

Use pattern blocks to create and extend different types of patterns. You can use the blocks to create a numerical sequence, a geometric sequence, or an algebraic sequence. Take a picture of your pattern ar write down the rule or pattern you used to create it.	d

Activity 5: Sequence Games

Play a sequence game with a partner or in a small group. Take turns creating and extending sequences, and try to identify the next term in each sequence. You can use numerical sequences, geometric sequences, or algebraic sequences.

Activity 6: Math Scavenger Hunt

Go on a math scavenger hunt around the classroom or school to find examples of particles. Take pictures or write down the examples you find, and explain the pattern or sequent	·

Activity 7: Pattern Puzzles

Solve the following pattern puzzles:
1. 1, 2, 4, 7, 11,
2. 2, 5, 8, 11, 14,
3. 3, 6, 9, 12, 15,

Activity 8: Sequence Charades

•	•	•	your partner or s, or algebraic s	 the sequence. Yo	u can

Activity 9: Pattern Art

create a piece of a	•	•	·	. You can use d	lifferent shapes	, colors, and

Activity 10: Reflection

Reflect on what you have learned about patterns and sequences in this worksheet. What did you find challenging or interesting? How can you apply your knowledge of patterns and sequences to real-world scenarios?

Assessment

- * Completed activities 1-10
- * Participation in class discussions and activities
- * Quality of work and creativity in activities 2, 4, 6, and 9

Extension

Research and write about a real-world application of patterns and sequences that interests you.

Create a mathematical model of a real-world phenomenon using patterns and sequences.

Design and create a piece of art that incorporates patterns and sequences.