## Welcome to Mathematical Thinking and Problem Solving!

This workbook is designed to introduce you to the exciting world of mathematical thinking and problem-solving. Through a series of engaging activities and questions, you will develop your critical thinking, analytical, and problem-solving skills, and learn to apply mathematical concepts to real-world problems.

Section 1: Patterns and Relationships
Create a pattern using pattern blocks, and ask a friend to extend the pattern. What shapes can you use to create a pattern? How can you use patterns to solve problems?
Question 1: Identify the Pattern
What comes next in the pattern: 2, 4, 6, 8, 10,?
A) 12, B) 14, C) 16, D) 18

Section 2: Algebraic Thinking
Simplify the expression: $2x + 3 = 5$ . What is the value of x? How can you use algebraic expressions to model real-world situations?
Question 2: Solve for x
Solve for x: x - 2 = 7
A) $x = 5$ , B) $x = 9$ , C) $x = 10$ , D) $x = 12$
Section 3: Geometric Problem-Solving
Identify the shapes in the picture: [insert picture]. What are the properties of each shape? How can you use geometric shapes to solve problems?
Question 3: Find the Area
Find the area of a rectangle with a length of 6 cm and a width of 4 cm.

A) 10 cm², B) 12 cm², C) 20 cm², D) 24 cm²

Section 4: Mathematical Model	ing
	0 loaves of bread per day. If each loaf costs \$2, how much money does nathematical model to solve the problem. What are the limitations of
Question 4: Solve the Problem	
A bakery sells 250 loaves of bread p day?	er day. If each loaf costs \$2, how much money does the bakery make in a
A) \$500, B) \$1000, C) \$1500, D) \$200	20

## Conclusion

Congratulations on completing this workbook! You have developed your mathematical thinking and problem-solving skills, and learned to apply mathematical concepts to real-world problems. Remember to always think critically, analyze problems, and use mathematical models to solve complex problems.

Reflection and	l Feedback		
	tes to reflect on what It this workbook? Prov		ı faced? What did you s.

For more practice, visit our website: [insert website]. Ask your teacher for additional support and guidance.

Additional Resources