

Introduction

Patterns in Shapes and Numbers Worksheet

00	se the correct answer for each question:
	Identify the next shape in the pattern: - Circle, Square, Circle, Square, A) Triangle - B) Circ C) Square - D) Rectangle
2.	What comes next in the sequence: 2, 5, 8, 11, 14, A) 15 - B) 17 - C) 18 - D) 20
	Identify the next shape in the sequence: - Red Circle, Blue Square, Red Circle, Blue Square, A) Red Triangle - B) Blue Circle - C) Red Circle - D) Blue Square

Section 2: Short Ans	swer Questions
Answer the following q	questions in complete sentences:
1. Describe the pat in the sequence	tern in the following sequence: 1, 2, 4, 8, 16. How would you predict the next number?
	pattern using shapes (e.g., circles, squares, triangles) and describe it. Ensure your a clear sequence or repetition.
Section 3: Visual Ide	entification
ldentify and circle the լ	patterns in the following shapes:
A series of alternat	ing circles and squares
[Space for visual i	dentification]
A sequence of incre	easing sizes of triangles
[Space for visual i	dentification]
	Page of 5

Complete the pattern by drawing the next shape:
A sequence of shapes where each row adds one more shape than the previous row
[Space for pattern completion]
Additional Activities
Choose one of the following activities:
 Find examples of patterns in the classroom or at home. Draw or describe the patterns you find. Create a new pattern using a combination of shapes and colors. Explain the rule behind your pattern.
[Space for additional activities]

Pattern Completion

Assessment Rubric

The following rubric will be used to assess your work:

Multiple Choice Questions: 3 points
Short Answer Questions: 4 points
Visual Identification: 4 points
Additional Activities: 2 points

Teacher Notes

Provide feedback and guidance to students as needed. Encourage students to explain their thinking and reasoning behind their answers.

Answer Key

The following answers are provided for reference:

- Multiple Choice Questions:
 - o 1. B) Circle
 - o 2. B) 17
 - o 3. C) Red Circle
- Short Answer Questions:
 - 1. The pattern is obtained by doubling the previous term. The next number in the sequence would be 32.
 - 2. Answers will vary, but students should demonstrate an understanding of pattern creation and description.
- Visual Identification:
 - 1. Answers will vary, but students should be able to identify the patterns in the shapes.
 - o 2. Answers will vary, but students should be able to complete the pattern correctly.