

Pattern Detectives

Students find repeating patterns in a cycle and extend a simple signal code.

1.5.A "identify and use patterns to describe phenomena or design solutions;"

NAME _____

DATE _____

Teacher: this page is run aloud. The script and answers are on the guide page.

1 FIND NEXT

a				
b				
c	winter	fall	summer	spring

2 BUILD A CODE

1	
2	
3	

HOW TO RUN THIS PAGE

A pattern repeats in a predictable order. Read each prompt aloud, then have students use the order to find what comes next in a cycle or extend a simple signal code.

Students never read directions on this sheet. Read each part's script aloud, then each prompt, giving think time before students mark.

PART 1 • FIND NEXT

SAY “Listen carefully to each pattern. Circle the choice that comes next.”

ROW	SAY	STUDENTS CIRCLE
a	Listen to this repeating shape pattern: circle, square, circle, square. Which shape comes next? Your choices are square, circle, triangle, and oval. Circle it.	circle
b	Listen to this repeating shape pattern: triangle, triangle, star, triangle, triangle, star. Which shape comes next? Your choices are star, oval, triangle, and square. Circle it.	triangle
c	The seasons repeat: spring, summer, fall, winter. Which season comes next? Your choices are winter, fall, summer, and spring. Circle it.	spring

PART 2 • BUILD A CODE

SAY “We are designing a repeating code to help partners take turns. A means clap once, and B means tap the desk once. For box 1, listen: A, B, A, B, what letter comes next; for box 2, listen: B, B, A, B, B, A, what letter comes next; for box 3, listen: A, A, B, A, A, B, what letter comes next?”

- Box 1 (beside 1): **B**
- Box 2 (beside 2): **B**
- Box 3 (beside 3): **A**

WHAT TO ACCEPT

Part 1 answers are circle, triangle, and spring. Part 2 answers are B, B, and A. Accept uppercase or lowercase letters in the boxes.