

Pattern Detectives

Students name and continue repeating, growing, and shrinking patterns.

1.PAR.3 "Identify, describe, extend, and create repeating patterns, growing patterns, and shrinking patterns found in real-life situations."

NAME _____

DATE _____

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

1 NAME IT _____

a	repeat	grow	shrink
b	shrink	repeat	grow
c	grow	shrink	repeat

2 MAKE ONE MORE _____

6	
5	
1	

HOW TO RUN THIS PAGE

Read every pattern and every choice aloud, then pause for students to mark their answers. Students identify repeating, growing, and shrinking patterns and create one more number in each pattern.

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

PART 1 • NAME IT

SAY “Listen to each real-life pattern. I will read the three words in every row. Which word names the pattern?”

ROW	SAY	STUDENTS CIRCLE
a	A bracelet has a circle, a square, a circle, a square. I will read the choices: repeat, grow, shrink. Which word names this pattern?	repeat
b	A block stack has 1 block, then 2 blocks, then 3 blocks. I will read the choices: shrink, repeat, grow. Which word names this pattern?	grow
c	A timer counts 6, 5, 4. I will read the choices: grow, shrink, repeat. Which word names this pattern?	shrink

PART 2 • MAKE ONE MORE

SAY “For the box labeled 6, I say 2, 4, 6. What number will you write to create one more part of this growing pattern? For the box labeled 5, I say 9, 7, 5. What number will you write to create one more part of this shrinking pattern? For the box labeled 1, I say 1, 2, 1, 2, 1. What number will you write to create one more part of this repeating pattern?”

- Box 1 (beside 6): **8**
- Box 2 (beside 5): **3**
- Box 3 (beside 1): **2**

WHAT TO ACCEPT

Part 1 answers are repeat, grow, and shrink. Part 2 answers are 8, 3, and 2, accept clearly formed numerals.