

Pattern Detectives

Students listen to and extend repeating shape and number patterns.

K.1.c.i "interpreting, analyzing, and evaluating data describe patterns"

NAME _____

DATE _____

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

1 WHAT COMES NEXT? _____

a			
b			
c			

2 NUMBER PATTERNS _____

1-2-1-2	•	•	2
2-3-2-3	•	•	3
3-1-3-1	•	•	1

HOW TO RUN THIS PAGE

Read each pattern slowly and pause so students can notice the part that repeats. Students show their analysis by choosing or matching the item that comes next. Ask a few students to say the repeating part aloud using the printed shapes or numbers.

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

PART 1 · WHAT COMES NEXT?

SAY "Listen as I say each shape pattern. Find the shape that should come next, and circle it."

ROW	SAY	STUDENTS CIRCLE
a	The pattern is circle, square, circle, square. Which shape comes next? Circle it.	circle
b	The pattern is triangle, triangle, star, triangle, triangle, star. Which shape comes next? Circle it.	triangle
c	The pattern is hexagon, oval, hexagon, oval. Which shape comes next? Circle it.	hexagon

PART 2 · NUMBER PATTERNS

SAY "Look at each number pattern on the left. I will read it, and you can tell what part repeats. Draw a line from each pattern to the number that comes next on the right."

- **1-2-1-2** matches **1**
- **2-3-2-3** matches **2**
- **3-1-3-1** matches **3**

WHAT TO ACCEPT

Part 1 answers are circle, triangle, hexagon. In Part 2, match 1-2-1-2 to 1, 2-3-2-3 to 2, and 3-1-3-1 to 3; accept oral descriptions of the repeating part in any clear words.