

Repeat Pattern Lab

Students find pattern cores, extend them, and make a pattern.

K.PFA.1 "The student will identify, describe, extend, and create simple repeating patterns using various representations. Identify and describe the core found in repeating patterns..."

NAME _____

DATE _____

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

1 MATCH CORES

ABAB

•

•

MN

CDECDE

•

•

AB

MNMN

•

•

CDE

2 MAKE REPEATS

AB

CD

HOW TO RUN THIS PAGE

Use the first part to have students find and say the core in letter patterns. In the second part, students write two more repeats of given cores, then create a repeating letter pattern and name its core aloud.

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

PART 1 • MATCH CORES

SAY “I will read the letter patterns on the left and the choices on the right. Can you draw a line from each pattern to the letters that repeat? After you draw each line, can you say the repeating part?”

- **ABAB** matches **AB**
- **CDECDE** matches **CDE**
- **MNMN** matches **MN**

PART 2 • MAKE REPEATS

SAY “The letters beside the first two boxes show a repeating part. Can you write each part two more times in its box? In the last box, can you make a repeating pattern with A and B and tell me the part that repeats?”

- Box 1 (beside AB): **ABAB**
- Box 2 (beside CD): **CDCD**
- Box 3: **Any repeating pattern using A and B with the core written at least twice, such as ABAB, BABA, or AABBAABB, plus an oral naming of its core.**

WHAT TO ACCEPT

Match ABAB to AB, CDECDE to CDE, and MNMN to MN. Accept the two written extensions shown, and accept any valid repeated A/B pattern in the last box if the student can name the repeating core aloud.