# Lesson 2: Make and Break Apart Pattern Block Designs

### Standards Alignments

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| --- | --- |
| Addressing | K.OA.A.3 |

### Teacher-facing Learning Goals

* Compose and decompose numbers up to 9.

### Student-facing Learning Goals

* Let’s make and break apart pattern block designs.

### Lesson Purpose

The purpose of this lesson is for students to compose and decompose numbers up to 9 in more than 1 way.

In a previous unit, students made designs with pattern blocks and counted how many of each pattern block they used. In this lesson, students make and share a design with the same total number of pattern blocks but different numbers of individual pattern blocks.

### Access for:

### Students with Disabilities

* Representation (Activity 2)

### English Learners

* MLR8 (Activity 1)

### Instructional Routines

Which One Doesn’t Belong? (Warm-up)

### Materials to Gather

* Crayons: Activity 1
* Materials from previous centers: Activity 3
* Pattern blocks: Activity 1, Activity 2

### Lesson Timeline

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| --- | --- |
| Warm-up | 10 min |
| Activity 1 | 10 min |
| Activity 2 | 10 min |
| Activity 3 | 20 min |
| Lesson Synthesis | 10 min |

### Teacher Reflection Question

Identify who has been sharing their ideas in class lately. Make a note of students whose ideas have not been shared and look for an opportunity for them to share their thinking in tomorrow’s lesson.

## Cool-down

(to be completed at the end of the lesson) 0min

Unit 5, Section A Checkpoint

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### Student-facing Task Statement

Lesson observations

### Student Responses

* Compose and decompose numbers up to 9 in more than 1 way.
* Represent decompositions with objects, drawings, and expressions.