

Lesson 2: Make and Break Apart Pattern Block Designs

Standards Alignments

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

Warm-up	10 min
Activity 1	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

Activity 2	10 min	tomorrow's lesson.
Activity 3	20 min	
Lesson Synthesis	10 min	

Cool-down (to be completed at the end of the lesson)

 0 min

Unit 5, Section A Checkpoint

Standards Alignments

Addressing K.OA.A.3

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.