

Lesson 1: Build Shapes

Standards Alignments

Addressing K.CC, K.CC.A.3, K.CC.B.5, K.G.B.6, K.NBT.A.1

Teacher-facing Learning Goals

- Count to answer “how many” questions about groups of up to 20 shapes and represent the quantity with a number.

Student-facing Learning Goals

- Let’s use one kind of pattern block to make shapes.

Lesson Purpose

The purpose of this lesson is for students to reinforce counting concepts as they build with and consider the attributes of pattern blocks.

In previous units, students put together pattern blocks to form larger shapes and filled in puzzles. They counted groups of up to 20 objects and images and wrote numbers to record their count. Students use only 1 kind of pattern block to fill in puzzles and eventually create given shapes without outlines provided, which requires students to think informally about the attributes of shapes. Students need to change the orientation of the pattern blocks and align the sides of the pattern blocks. Students may be able to visualize how to turn or flip the shape to fill a particular space or may need to use trial and error. In both activities, students count and write a number to record how many pattern blocks they used.

Access for:

Students with Disabilities

- Action and Expression (Activity 2)

English Learners

- MLR8 (Activity 2)

Instructional Routines

How Many Do You See? (Warm-up)

Materials to Gather

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

Materials to Copy

- Squares Squares Squares (groups of 1): Activity 1
- Shape Puzzle (groups of 2): Activity 2

Lesson Timeline

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

Teacher Reflection Question

What was the best question that you asked students today? Why would you consider it the best one based on what students said or did?

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

 0 min

Unit 7, Section A Checkpoint

Standards Alignments

Addressing K.CC

Student-facing Task Statement

Lesson observations

Student Responses

- Count all to determine the total.
- Write a number to represent a quantity up to 20.