

# Lesson 15: Build and Count with Solid Shapes

## Standards Alignments

Addressing K.CC.B.5, K.G, K.G.B.4, K.G.B.6

Building Towards K.NBT.A.1

## Teacher-facing Learning Goals

- Compose solid shapes to build new shapes.
- Count to answer “how many” questions about groups of up to 20 objects.

## Student-facing Learning Goals

- Let’s build with and count solid shapes.

## Lesson Purpose

The purpose of this lesson is for students to build with solid shapes to reinforce counting and comparing concepts.

In previous lessons, students built with solid shapes and described what they built. In this lesson, students create towers, which requires them to consider the attributes of shapes as they determine which shapes stack easily.

## Access for:

### Students with Disabilities

- Engagement (Activity 2)

### English Learners

- MLR8 (Activity 1)

## Instructional Routines

Estimation Exploration (Warm-up)

## Materials to Gather

- 10-frames: Warm-up
- Connecting cubes: Warm-up
- Geoblocks: Activity 1, Activity 2
- Materials from previous centers: Activity 3
- Solid shapes: Activity 1, Activity 2

## Lesson Timeline

Warm-up	10 min
Activity 1	10 min
Activity 2	15 min
Activity 3	20 min
Lesson Synthesis	5 min

## Teacher Reflection Question

How are students working together during centers? Are all students getting the opportunity to participate in the mathematics?

---

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

 0 min

Unit 7, Section B Checkpoint

### Standards Alignments

Addressing K.G

### Student-facing Task Statement

Lesson observations

### Student Responses

- Put solid shapes together to compose new shapes.
- Use positional words to describe the locations of solid shapes.