

Lesson 1: Shapes That Are Solid

Standards Alignments

Addressing 1.G.A

Teacher-facing Learning Goals

- Sort three-dimensional shapes in a way that makes sense to them.
- Use their own language to describe three-dimensional shapes.

Student-facing Learning Goals

- Let's sort and describe solid shapes.

Lesson Purpose

The purpose of this lesson is for students to sort three-dimensional shapes and use their own language to describe them.

In kindergarten, students were introduced to the names of squares, rectangles, triangles, circles, cubes, spheres, and cylinders. They sorted these shapes into categories and used their own language to describe them.

The purpose of this lesson is for students to use the language they already have to talk about three-dimensional shapes. This gives teachers a chance to informally assess students' language, such as shape names, as well as words used to describe them (MP6). Students will be re-introduced to the names of three-dimensional shapes (cube, sphere, cylinder, and cone) over the next two lessons. Students do not need to use specific geometric vocabulary in this lesson; however, the teacher should use precise language to identify and describe shapes, especially rectangular prisms and triangular prisms, which may be new terms for students.

Access for:

Students with Disabilities

- Action and Expression (Activity 1)

Instructional Routines

MLR2 Collect and Display (Activity 1), Which One Doesn't Belong? (Warm-up)

Materials to Gather

- Bags (brown paper): Activity 2
- Geoblocks: Activity 1, Activity 2
- Materials from a previous activity: Activity 2
- Solid shapes: Activity 1, Activity 2

Lesson Timeline

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

Teacher Reflection Question

Reflect on the language students used to describe solid shapes. How can you help students begin to use more precise language in the next lesson?

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

 5 min

What Did You Learn?

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Student-facing Task Statement

List at least two things you learned about solid shapes.

Student Responses

Sample responses:

- A cube looks like a box. It has 6 sides or flat sides.
- A cylinder has two sides that are circles.
- Some shapes have some of the same attributes. For example, a cube and a rectangular block can have square sides.
- Some solid shapes roll and some don't.