

Lesson 3: Specific Side Lengths

Standards Alignments

Addressing 2.G.A.1, 2.MD.A.1

Teacher-facing Learning Goals

- Use a ruler to draw shapes with specified side lengths, and identify the attributes of these shapes.

Student-facing Learning Goals

- Let's find and draw shapes with specific side lengths.

Lesson Purpose

The purpose of this lesson is for students to recognize and draw shapes that have sides with a given length. Students also revisit and practice measuring lengths.

In a previous unit, students measured and compared the length of the sides of triangles and rectangles with rulers. In previous lessons, students recognized and drew shapes on dot paper based on a given number of sides and corners. In this lesson, students measure sides with rulers to find shapes with specific attributes. Students use their rulers to draw shapes with given side lengths (MP6).

Access for:

Students with Disabilities

- Action and Expression (Activity 2)

English Learners

- MLR8 (Activity 2)

Instructional Routines

Which One Doesn't Belong? (Warm-up)

Materials to Gather

- Rulers: Activity 1, Activity 2

Lesson Timeline

Warm-up	10 min
Activity 1	15 min
Activity 2	20 min

Teacher Reflection Question

Which students came up with an unexpected shape or technique for drawing shapes in today's lesson? What are some ways you can be more open to the ideas of each and every student?

Lesson Synthesis 10 min

Cool-down 5 min

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

🕒 5 min

Draw the Shape

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Student-facing Task Statement

1. Draw a quadrilateral that has two sides that are 2 inches long.
2. Explain how you know your shape is a quadrilateral.

Student Responses

1. Answers vary.
2. My shape is a quadrilateral because it has 4 sides and 4 corners.