

Lesson 4: Attributes of Rectangles, Rhombuses, and Squares

Standards Alignments

Addressing 3.G.A.1

Teacher-facing Learning Goals

- Identify attributes of rhombuses, rectangles, and squares.

Student-facing Learning Goals

- Let's find out what makes rectangles, rhombuses, and squares what they are.

Lesson Purpose

The purpose of this lesson is for students to consider the geometric attributes a quadrilateral must have to be a rhombus, rectangle, or square.

In previous lessons, students learned how to compare and describe shapes using geometric attributes. In this lesson, students analyze examples and non-examples of rectangles, rhombuses, and squares in order to identify their defining attributes. As they discern and describe features that define these quadrilaterals, students practice looking for structure (MP7) and communicating with precision (MP6).

Throughout the lesson, offer rulers to students if needed to determine if sides have the same length.

Access for:

Students with Disabilities

- Engagement (Activity 1)

English Learners

- MLR8 (Activity 1)

Instructional Routines

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

Lesson Timeline

Warm-up	10 min
Activity 1	35 min
Lesson Synthesis	10 min

Teacher Reflection Question

Today students carefully analyzed attributes of specific quadrilaterals. How did this work prepare them to see a square as both a rhombus and a rectangle in future lessons?

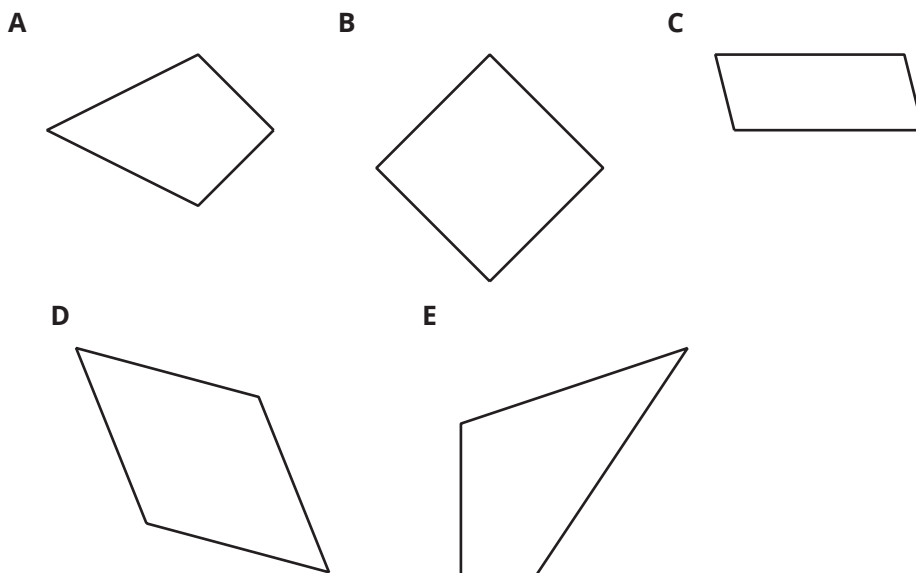
Cool-down (to be completed at the end of the lesson)

🕒 5 min

Find the Rhombuses

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Student-facing Task StatementSelect **all** of the quadrilaterals that are rhombuses. Explain your reasoning.**Student Responses**

B and D, because they have 4 sides and all the sides are the same length.