

Lesson 9: Equal Pieces

Standards Alignments

Building On 1.G.A.3
Addressing 1.G.A, 1.G.A.3

Teacher-facing Learning Goals

- Determine whether shapes are partitioned into equal pieces.
- Partition circles and rectangles into halves and fourths.

Student-facing Learning Goals

- Let's split shapes into equal-size pieces.

Lesson Purpose

The purpose of this lesson is for students to partition circles and rectangles into halves and fourths and determine whether a shape is partitioned into equal pieces.

In previous lessons, students created two- and three-dimensional shapes from smaller shapes.

Students begin this lesson by composing shapes and compare those made with equal pieces to those made with unequal pieces. Then, they partition shapes into two and four equal size pieces and learn the terms **halves** and **fourths**. Students do not have to create exactly equal pieces, but they should be able to explain that the pieces should be equal.

Access for:

Students with Disabilities

- Action and Expression (Activity 3)

English Learners

- MLR8 (Activity 1)

Instructional Routines

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

Materials to Gather

- Scissors: Activity 2

Materials to Copy

- Pieces of Circles (groups of 8): Activity 1
- Circles and Squares (groups of 1): Activity 2

Lesson Timeline

| | |
|------------------|--------|
| Warm-up | 10 min |
| Activity 1 | 10 min |
| Activity 2 | 15 min |
| Activity 3 | 10 min |
| Lesson Synthesis | 10 min |
| Cool-down | 5 min |

Teacher Reflection Question

How does this work build the foundation for understanding fractions in later grades? How is this introductory work different from the work student will do beginning in Grade 3?

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

🕒 5 min

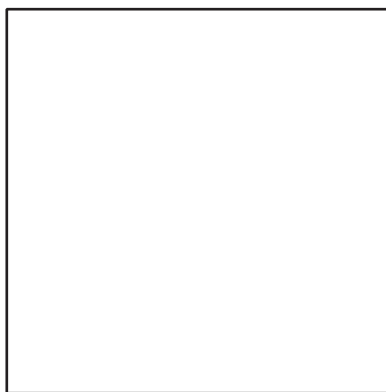
Split Shapes

Standards Alignments

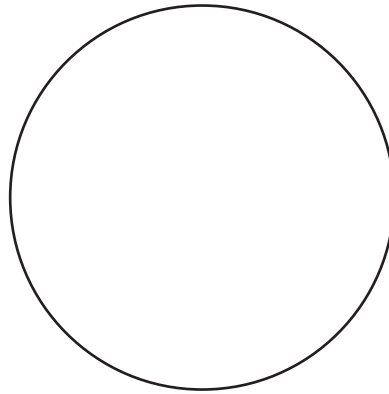
Addressing 1.G.A.3

Student-facing Task Statement

1. Split the square into halves.



2. Split the circle into fourths.



Student Responses

1. Equally partitions square into two equal pieces.
2. Equally partitions circle into four equal pieces.