

# Unit 4d-Equal Shares Of Circles And Rectangles

Content Area: **Mathematics**  
Course(s): **Math 1**  
Time Period: **Marking Period 4**  
Length: **MP4 Topic 15 15-1 to 15-4**  
Status: **Published**

## Essential Questions

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- What are some different names for equal shares?

## Big Ideas

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- **Equivalence:** Any number, measure, numerical expression, algebraic expression, or equation can be represented in an infinite number of ways that have the same value.
- **Comparison and Relationships:** Numbers, expressions, measures, and objects can be compared and related to other numbers, expressions, measures, and objects in different ways.
- **Geometric Figures:** Two- and three-dimensional objects with or without curved surfaces can be described, classified, and analyzed by their attributes. An object's location in space can be described quantitatively.
- **Practices, Processes, and Proficiencies:** Mathematics content and processes can be applied to solve problems.

## CSDT Technology Connection

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8.1.2.D.A.2 Store, copy, search, retrieve, modify, and delete data using a computing device.

## Enduring Understandings

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### Geometry

**1.G.A** Reason with shapes and their attributes.

1.G.A.3 Partition circles and rectangles into two and four equal shares, describe the shares using the words *halves*, *fourths*, and *quarters*, and use the phrases *half of*, *fourth of*, and *quarter of*. Describe the whole as two of, or four of the shares. Understand for these examples that decomposing into more equal shares creates smaller shares.

## **Climate Change**

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Technology: Cross-Curricular

8.1.2.DA.2: Store, copy, search, retrieve, modify, and delete data using a computing device.

- Activity: Students will use the class rotation chart on Google Slides to complete rotations/stations.

## **Mathematical Practices Focus**

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**MP.1** Make sense of problems and persevere in solving them.

**MP.2** Reason abstractly and quantitatively.

**MP.3** Construct viable arguments and critique the reasoning of others.

**MP.4** Model with mathematics.

**MP.5** Use appropriate tools strategically.

**MP.6** Attend to precision.

**MP.7** Look for and make use of structure.

**MP.8** Look for and express regularity in repeated reasoning.