



Topic C

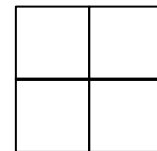
Halves and Quarters of Rectangles and Circles

1.G.3

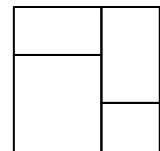
Focus Standard:	1.G.3	Partition circles and rectangles into two and four equal shares, describe the shares using the words <i>halves</i> , <i>fourths</i> , and <i>quarters</i> , and use the phrases <i>half of</i> , <i>fourth of</i> , and <i>quarter of</i> . Describe the whole as two of, or four of the shares. Understand for these examples that decomposing into more equal shares creates smaller shares.
Instructional Days:	3	
Coherence	-Links from: GK–M2	Two-Dimensional and Three-Dimensional Shapes
	-Links to: G2–M8	Time, Shapes, and Fractions as Equal Parts of Shapes

During Topic C, students build on their concrete work with composite shapes and begin naming equal parts of wholes, specifically halves and fourths (or quarters). Students more closely analyze the same composite shapes created in Topic B, recognizing composite shapes made from equal, non-overlapping parts and identifying halves and quarters within rectangular and circular shapes.

In Lesson 7, students explore composite shapes that have been made throughout the module and sort them into two categories of shapes, those made from equal parts and those made from non-equal parts. Students count the number of equal parts that form one whole.



Equal Parts



Non-equal Parts

Lesson 8 introduces the terms *half* and *quarter*, or *fourths*, to name two equal parts of a whole and four equal parts of a whole, respectively. Students learn *half-circle* and *quarter-circle* as the names of shapes and recognize that they are named for their size and shape in relation to a whole circle. Models of rectangular and circular pizzas are used for students to discuss equal parts of the whole.

In Lesson 9, students explore halves and fourths more deeply as they identify these parts within circles and rectangles of varying size and dimension. Students recognize that as they partition, or decompose, the whole into more equal shares, they create smaller units.

A Teaching Sequence Toward Mastery of Halves and Quarters of Rectangles and Circles

Objective 1: Name and count shapes as parts of a whole, recognizing relative sizes of the parts.
(Lesson 7)

Objective 2: Partition shapes and identify halves and quarters of circles and rectangles.
(Lessons 8–9)