Grade 2  
Unit 6Lesson 8CC BY NC 2024 Illustrative Mathematics®

Unit 6, Lesson 8

# Are All Pieces Created Equal?

* Let’s make halves, thirds, and fourths in different ways.

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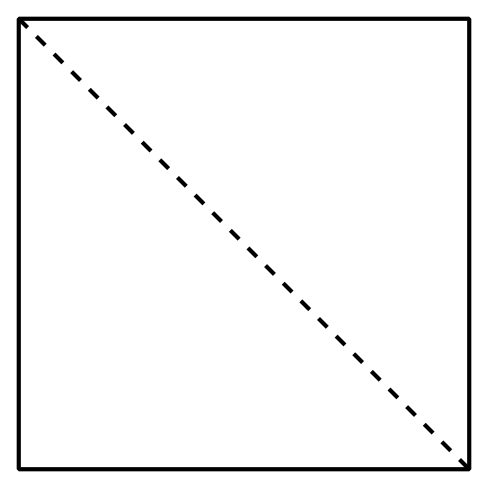
## Warm-up Number Talk: 5 Ones

Find the value of each expression mentally.

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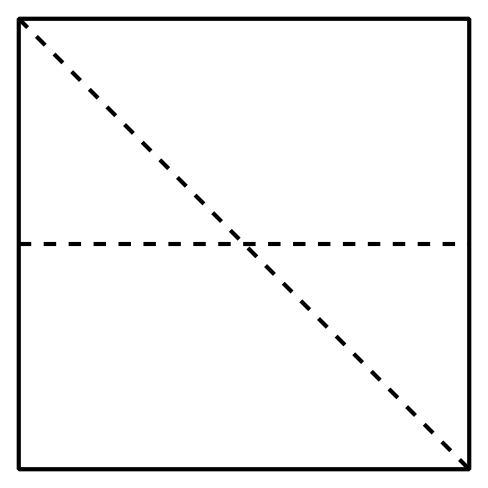
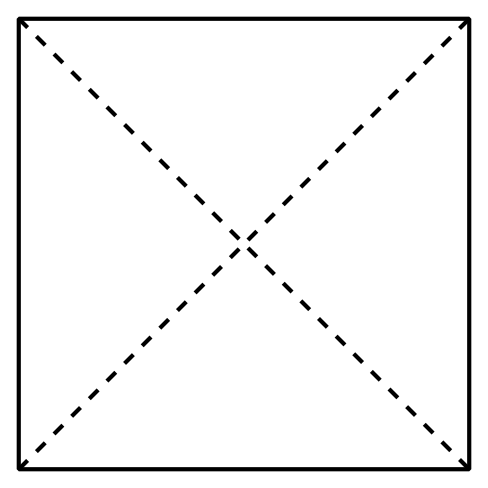
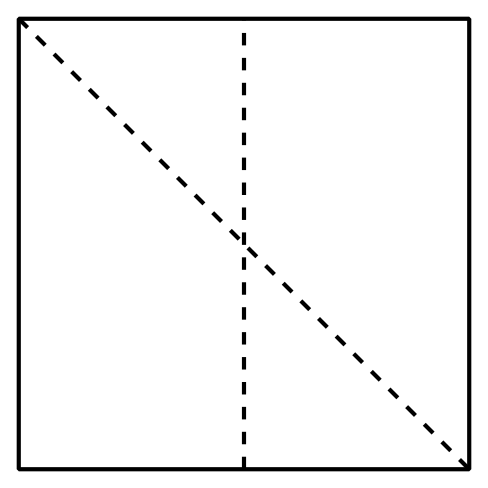
## Activity 1 Make Quarters and Halves

Lin partitions this square into quarters. She starts by splitting the square into halves.

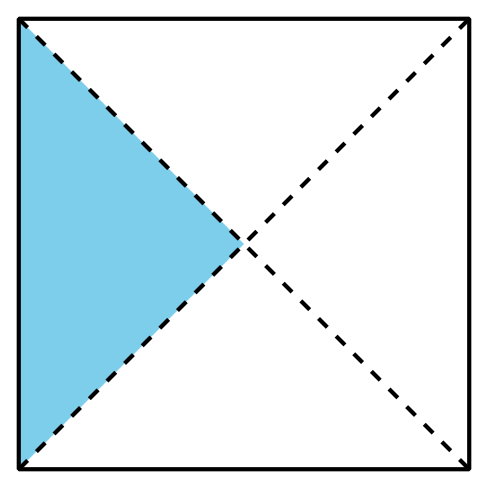


After she draws the first line, she tries 3 different ways to make fourths.

1. Which shape shows fourths or quarters? Explain your reasoning.

* A
* B
* C

1. Name the shaded piece.

* A
* Shape A has a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ shaded.
* B
* Shape B has a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ shaded.

1. Show 2 different ways to partition the rectangle into quarters or fourths. Shade a fourth of each rectangle.

* 
* 

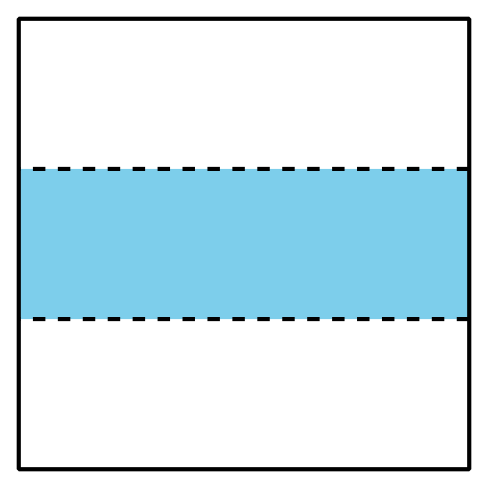
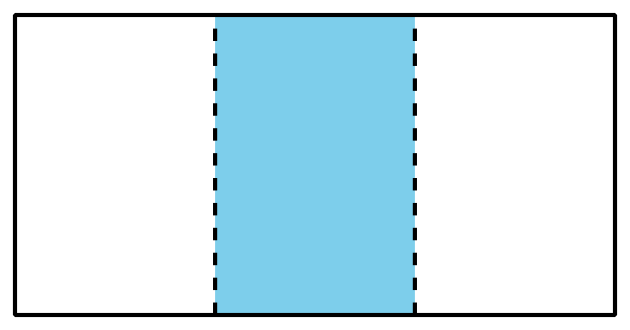
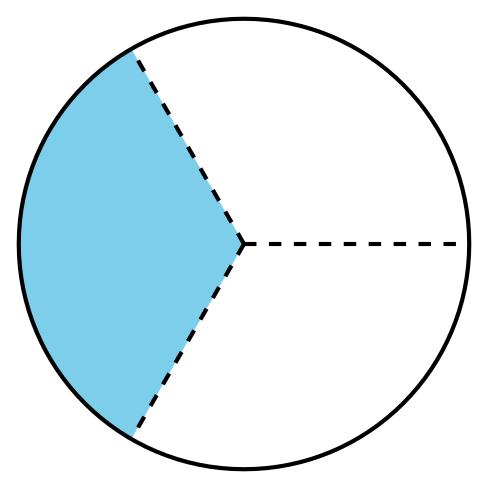
1. Show 2 different ways to partition the square into halves.  
   Shade**half** of each square.

* 
* 

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## Activity 2 Make Equal-Size Pieces

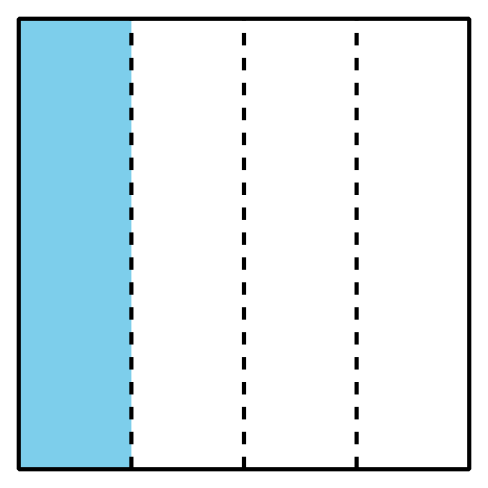
1. Lin, Mai, and Andre are asked to shade a third of a shape.

* Lin
* 
* Mai
* 
* Andre
* 
* Do all their shapes show a third shaded? Explain your reasoning.

1. Partition the rectangle into thirds. Shade a third of the shape.

* 

1. Diego’s dad makes 2 square pans of cornbread. He cuts the pans into pieces for his family.

* Diego’s brother
* 
* Diego
* 
* Diego’s little brother is upset because he thinks his piece of cornbread is smaller than Diego’s. Do you agree? Explain your reasoning.