## Lesson 8: Are All Pieces Created Equal?

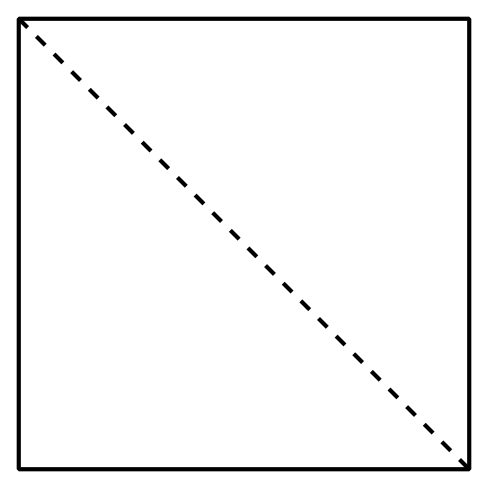
* Let’s make halves, thirds, and fourths in different ways.

### Warm-up: Number Talk: 5 Ones

Find the value of each expression mentally.

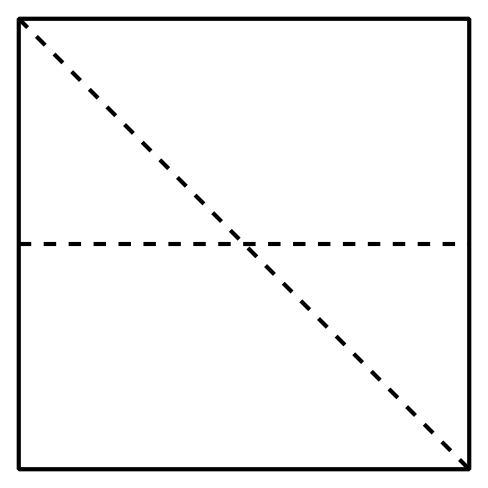
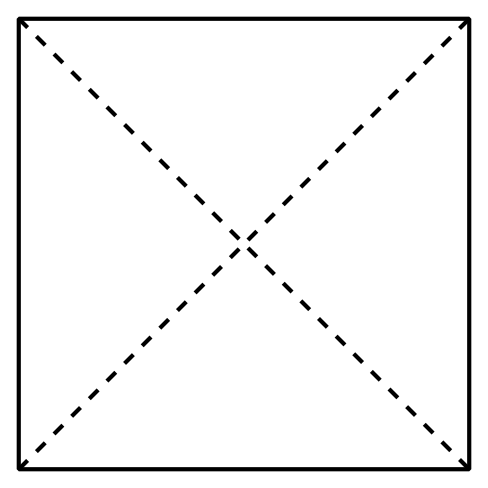
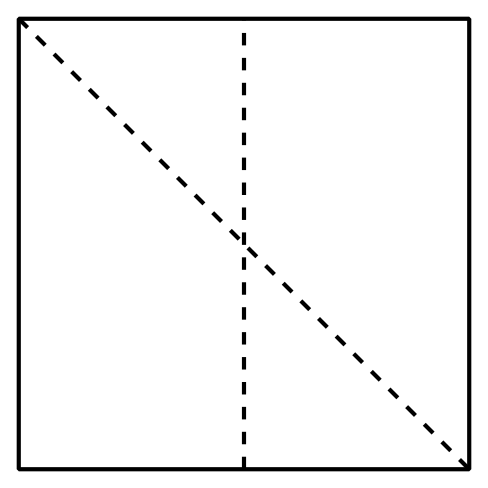
### 8.1: Make Quarters and Halves

Lin wanted to partition this square into quarters. She started by splitting the square into halves.

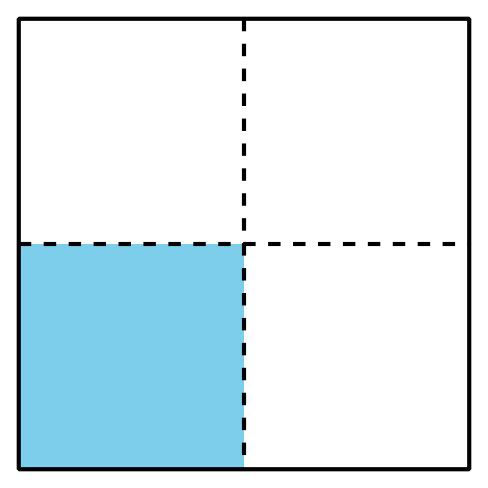
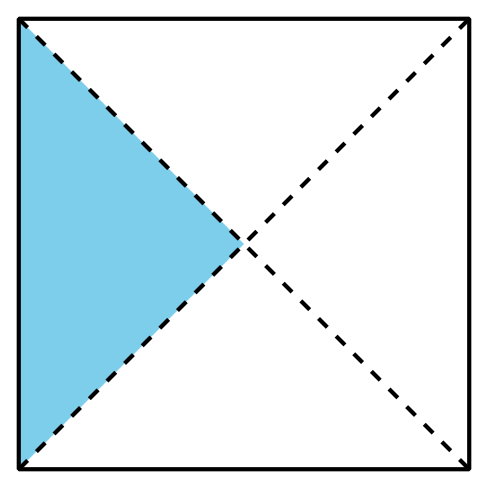


After she drew the first line, she tried 3 different ways to make fourths.

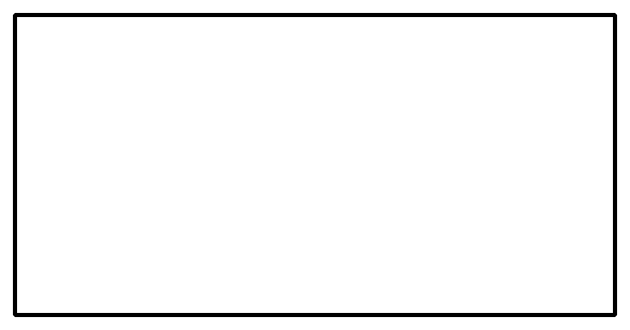
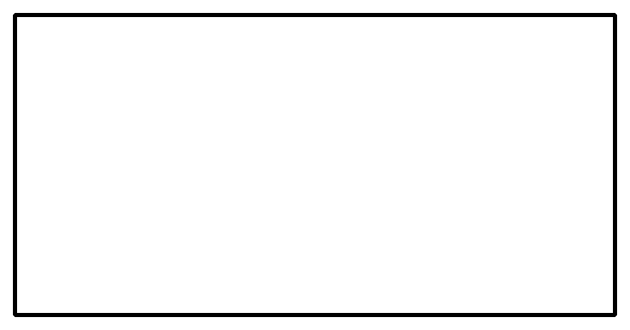
1. Which of these shows fourths or quarters? Explain and share with your partner.

* A
* B
* C

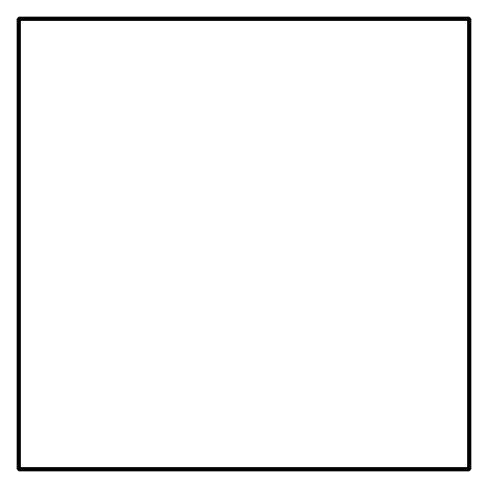
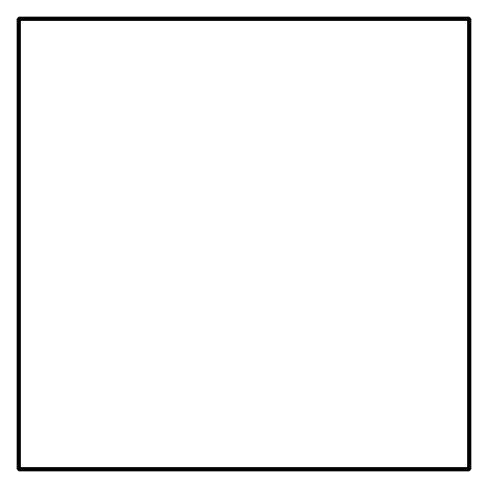
1. Name the shaded piece.

* 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 in a fourth of each rectangle.

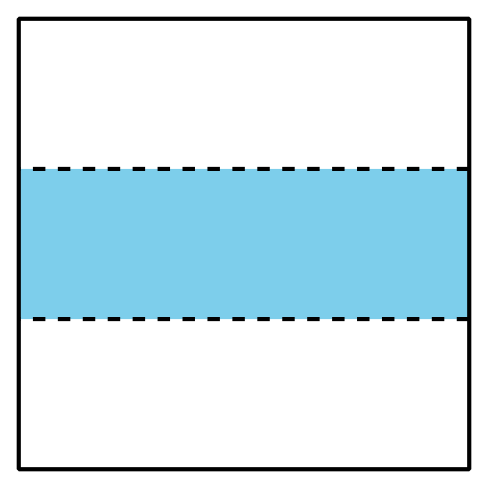
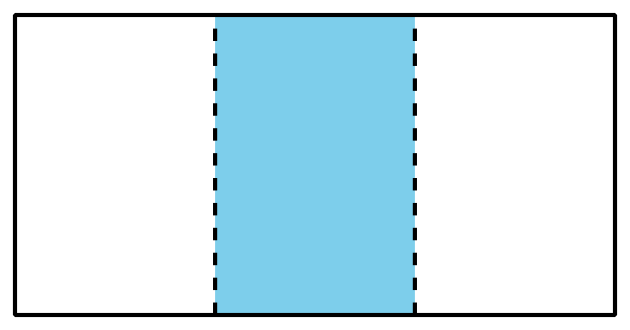
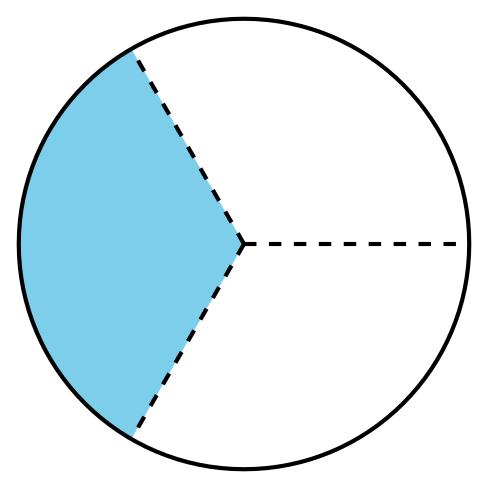
* 
* 

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

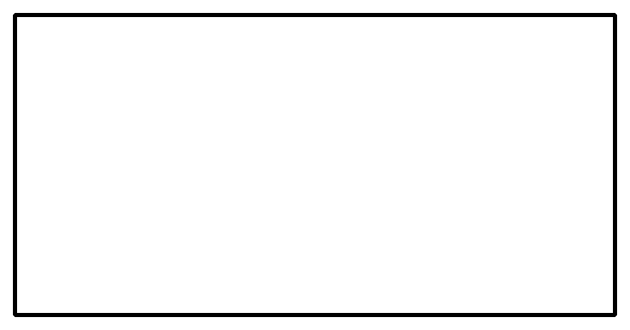
* 
* 

### 8.2: Make Equal Pieces

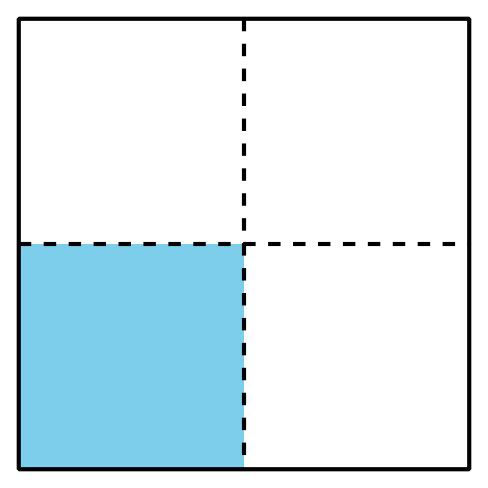
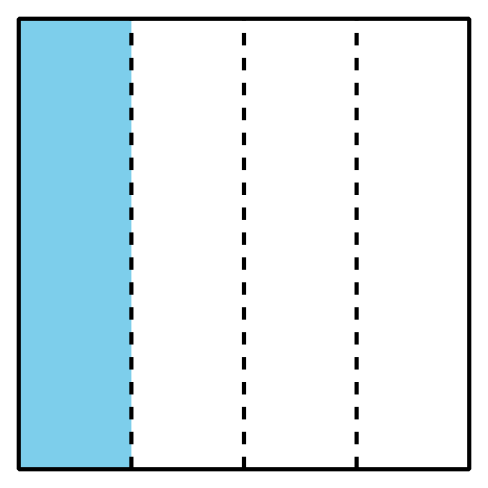
1. Lin, Mai, and Andre were asked to shade in a third of a shape.

* Lin
* 
* Mai
* 
* Andre
* 
* Do all their shapes show a third shaded? Explain and share with a partner.

1. Partition the rectangle into thirds and shade a third of the shape.

* 

1. Diego’s dad made 2 square pans of cornbread and sliced them up for the family.

* Diego’s Brother
* 
* Diego’s
* 
* Diego’s little brother was upset because he thought his piece of cornbread was smaller than Diego’s. What would you tell him?



© CC BY 2021 Illustrative Mathematics®