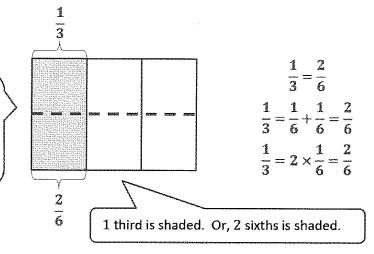
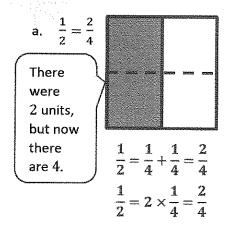
## G4-N5-Lesson 5

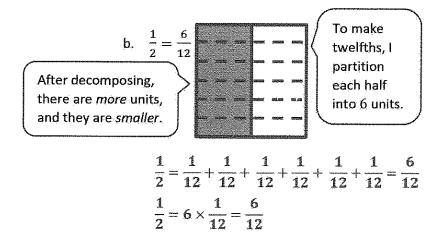
1. Draw horizontal line(s) to decompose the rectangle into 2 rows. Use the model to name the shaded area as both a sum of unit fractions and as a multiplication sentence.

I draw 1 horizontal line to decompose the whole into 2 equal rows. Now there are 6 equal units in all. 2 sixths is the same as 1 third.



2. Draw area models to show the decompositions represented by the number sentences below. Represent the decomposition as a sum of unit fractions and as a multiplication sentence.





3. Explain why  $\frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12}$  is the same as  $\frac{1}{2}$ .

Sample Student Response:

I see in the area model that I drew that 6 twelfths takes up the same space as 1 half. 6 twelfths and 1 half have exactly the same area.