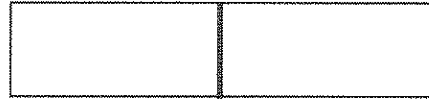


## G2-M8-Lesson 12

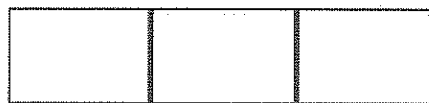
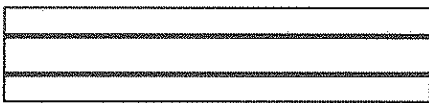
1. Partition the rectangles in 2 different ways to show equal shares.

2 halves



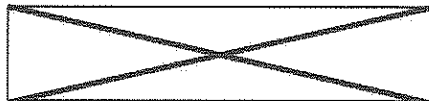
Look, I can show thirds as long, skinny rectangles or short, fat rectangles!  
They don't need to have the same shape to cover the same amount of space.

3 thirds



I can show fourths in more than one way! As long as the 4 parts cover the same amount of space they are equal, so I have made fourths!

4 fourths



2. Cut out the rectangle.



a. Cut the rectangle in half to make 2 equal size rectangles. Shade 1 half using your pencil.



I can make 2 equal size rectangles by folding my paper in half the long way.

b. Rearrange the halves to create a new rectangle with no gaps or overlaps.



I can line up the rectangles with no gaps or overlaps by making the ends touch.

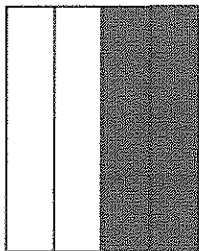
c. Cut each equal part in half to make 4 equal size rectangles.



I have 2 equal rectangles. If I cut each rectangle into 2 equal shares, I will have 4 equal size rectangles! Now 2 fourths are shaded.

d. Rearrange the new equal shares to create different polygons.

e. Draw one of your new polygons from part (d) below. One half is shaded!



Even though I have a shape that looks different, one half is still shaded!