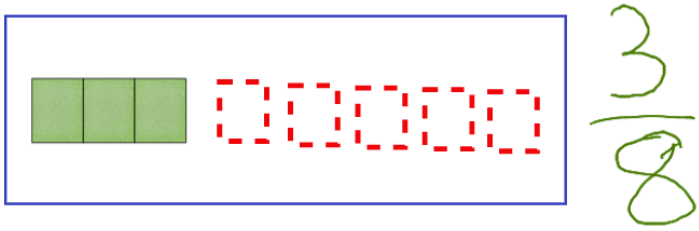
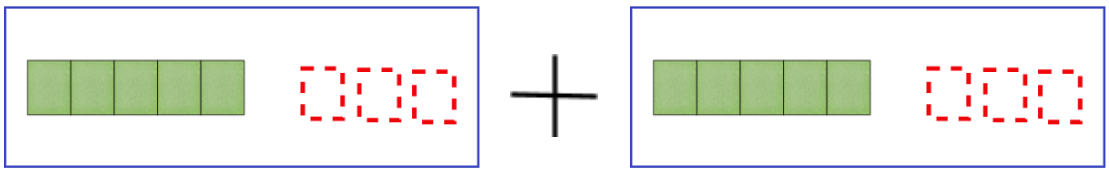
We NEED 8 blocks to complete the group. What fraction of a group do we have here?



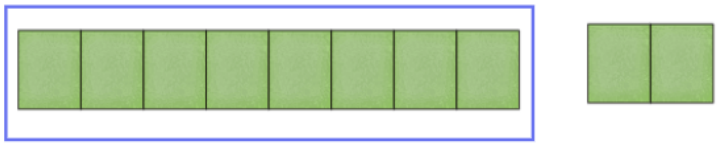
$\frac{3}{8}$

It gets a little tricky here. Let's say we have TWO groups. Both groups need 8 blocks to get completed. We will combine the groups.



How many blocks do we have in total? **10**
How many blocks go into one group? **8**

How many complete groups can we make after combining both groups? How many remaining blocks do we have?



Complete groups: **1**
Remainders: **2**

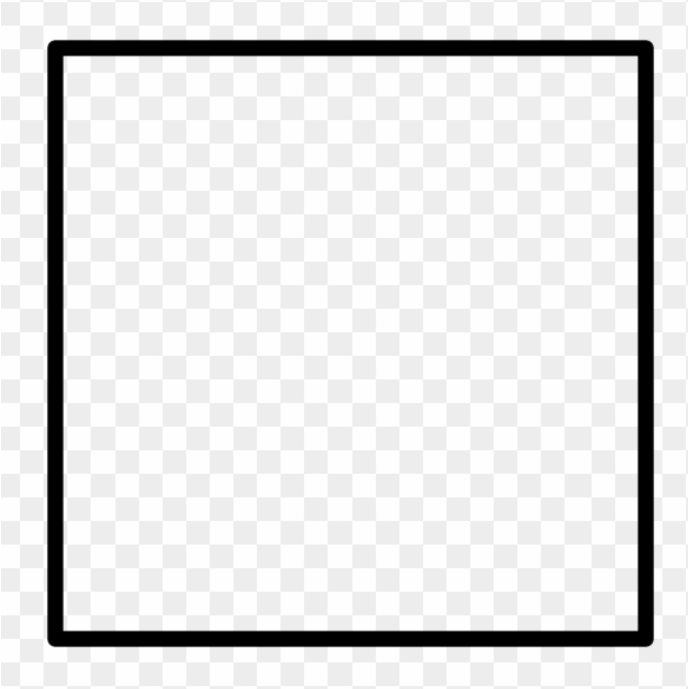
We can write this as $\frac{10}{8}$ *or* $1\frac{2}{8}$

We could have avoided the picture and used fractions only as follows:

$$\frac{5}{8}+\frac{5}{8}=\frac{10}{8}$$

What do you think is the answer to this problem?

$$\frac{3}{8}+\frac{11}{8}=$$



Cut out this square and <u>fold</u> it in half. Shade half of the folded square with a pencil.

What fraction do you have right now? **It should be ½.** You have 1 shaded rectangle, but two rectangles in total i.e. 1/2

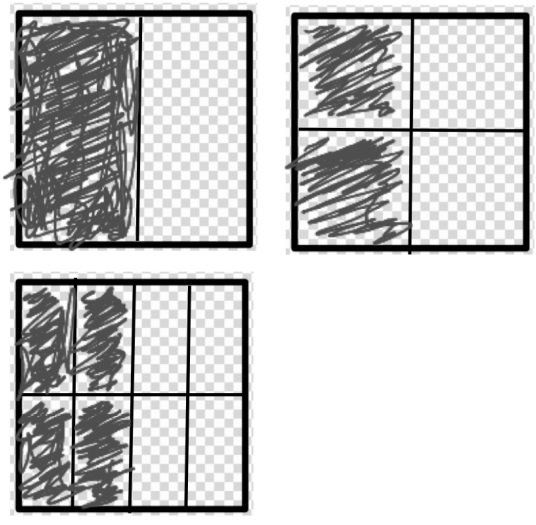
Fold the square in half AGAIN. How many rectangles do you have now? It should be 4. How many shaded rectangles do you have? How many rectangles do you have in total?

Shaded rectangles: **2**
Number of rectangles: **4**

That is, we have 2/4 shaded rectangles.

Fold the square a third time. How many shaded rectangles do you have now? How many rectangles do you have now?

Shaded rectangles:___
Number of rectangles:___



Do you see that

$$\frac{1}{2} = \frac{2}{4} = \frac{4}{8}$$