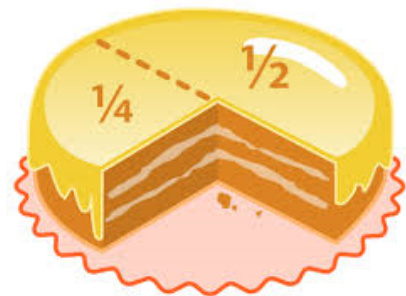
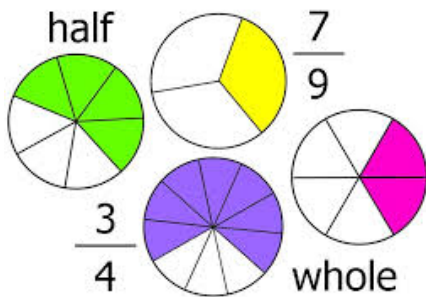


## Unit 5

# Adding/Subtracting Fractions



# Operations with Fractions

fraction strips

unit fraction

related denominators

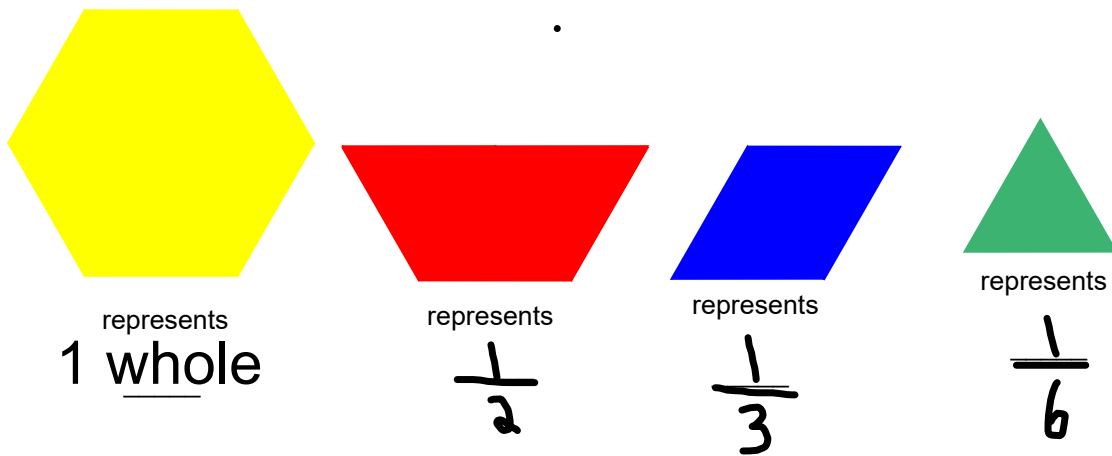
simplest form

unrelated denominators

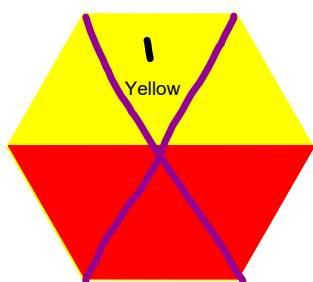
common denominator

# Using Models to Add Fractions

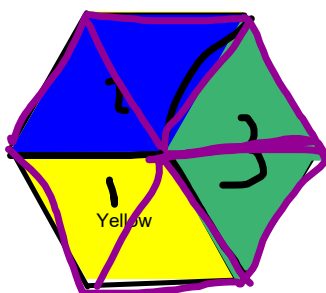
Let's use pattern blocks...



What fraction is yellow?



+



Hint: do they have the same size pieces or the same number of pieces?



$$\frac{1}{2}$$

+

$$\frac{1}{3}$$

$$\frac{3}{6}$$

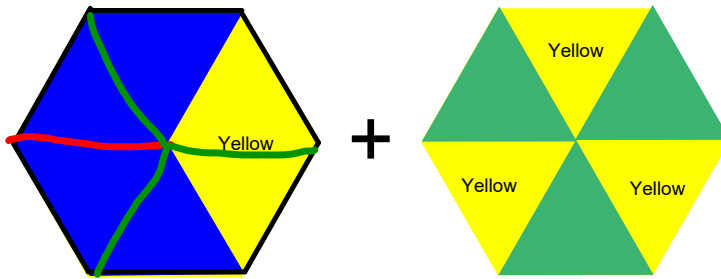
+

$$\frac{2}{6}$$

$$\frac{5}{6}$$

$$\frac{\text{\#yellow}}{\text{total}}$$

Hint: same number of pieces  
what fraction is yellow?

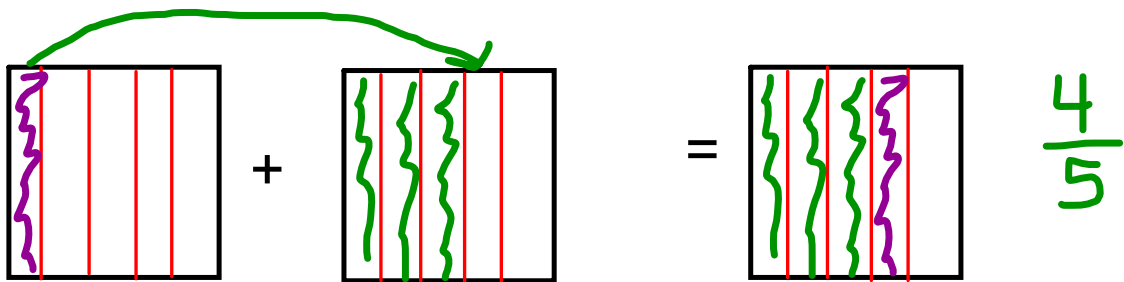


$$\frac{3}{6} + \frac{3}{6} = \frac{6}{6}$$
$$\frac{2}{6} + \frac{3}{6} = \frac{5}{6}$$

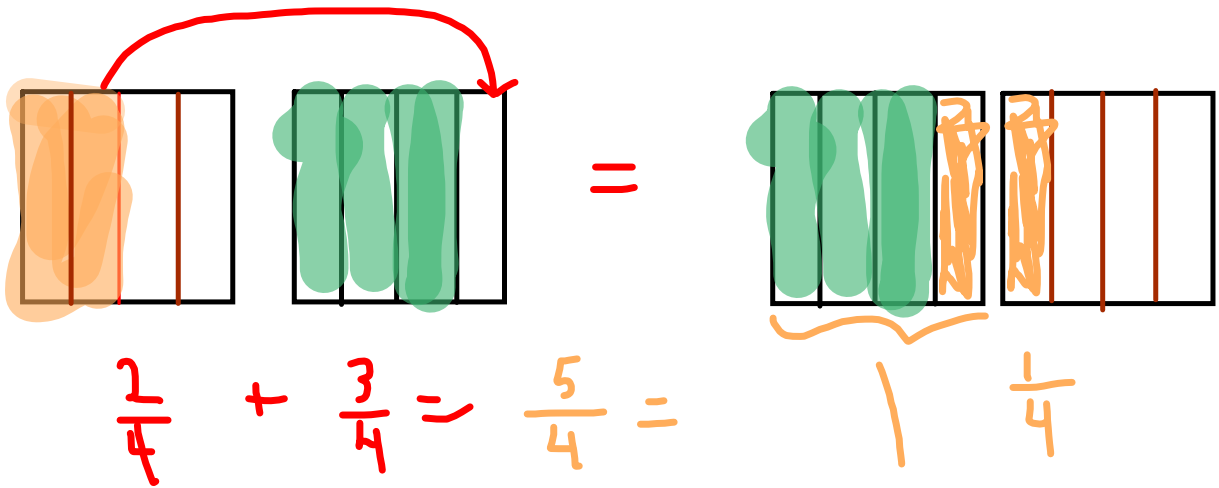
Let's use fraction boxes... (Book will say circles but boxes are easier)

$$\frac{\textcircled{1}}{5} + \frac{\overset{\uparrow}{3}}{5}$$

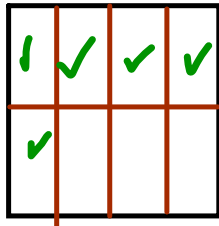
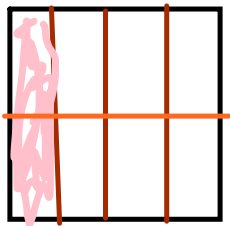
bottom # is what box is cut in to



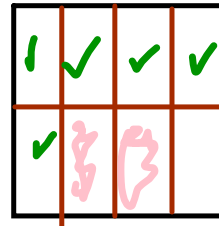
$$\frac{1}{2} + \frac{3}{4}$$



$$\frac{1}{4} + \frac{5}{8}$$



=



$$\frac{2}{4} + \frac{5}{8} = \frac{7}{8}$$



Noah and Brett each bought a small pizza.

Noah ate  $\frac{3}{4}$  of his pizza and Brett ate  $\frac{7}{8}$  of his.



How much pizza did Noah and Brett eat together?

$\frac{3}{4} + \frac{7}{8}$  add

<del>1</del>	<del>1</del>	<del>1</del>	
<del>1</del>	<del>1</del>	<del>1</del>	

✓	✓	✓	✓
✓	✓	✓	

=

✓	✓	✓	✓
✓	✓	✓	✓

<del>1</del>	<del>1</del>	<del>1</del>	
<del>1</del>	<del>1</del>	<del>1</del>	

$\frac{6}{8} + \frac{7}{8} = 1\frac{5}{8} = \frac{13}{8}$

# *Class / Homework*

Page 179 #1

Page 180 #2, #3,

Tomorrow doing worksheet  
and Page 180 #5, #7