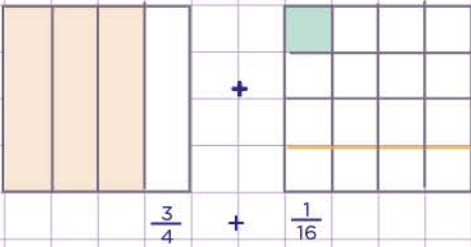


Name: ..... Class: .....

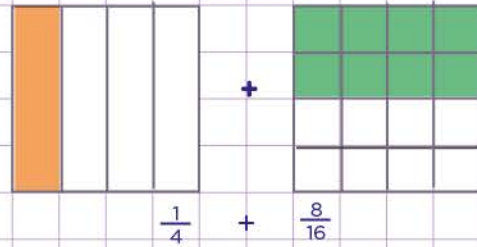
Add and subtract fractions with unlike denominators using models

Using the given models as an aid, add and subtract the following fractions.

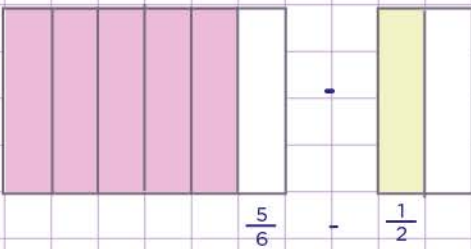
a.



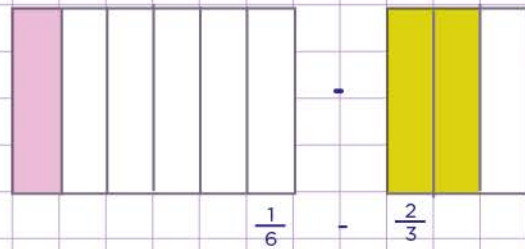
e.



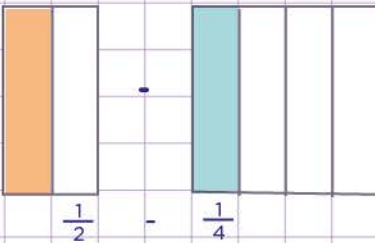
b.



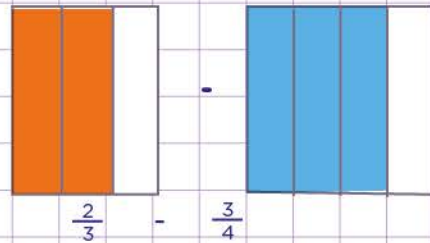
f.



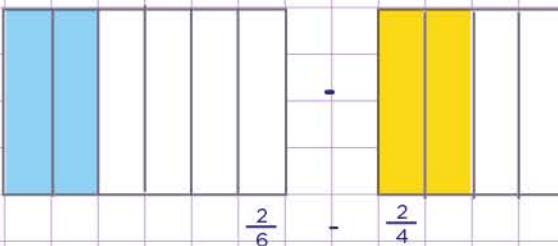
c.



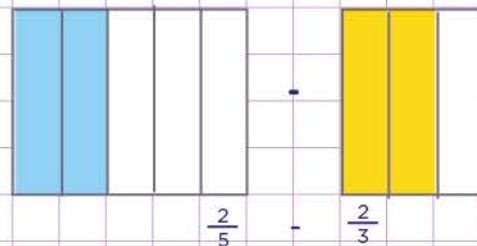
g.



d.



h.



Name: ..... Class: .....

Add and subtract fractions with unlike denominators using models

Using the given models as an aid, add and subtract the following fractions.

**a.**

$\frac{3}{4} + \frac{1}{16}$        $\frac{12}{16} + \frac{1}{16}$

Let's start by finding an equivalent fraction of  $\frac{3}{4}$  with a denominator of 16.  
 $\frac{3}{4}$  is equivalent to  $\frac{12}{16}$ .  
 So, the model for  $\frac{12}{16}$  is,

you see that,  $\frac{3}{4} + \frac{1}{16} = \frac{12}{16} + \frac{1}{16}$

Therefore,  $\frac{3}{4} + \frac{1}{16} = \frac{13}{16}$

**b.**

$\frac{5}{6} - \frac{1}{2}$        $\frac{5}{6} - \frac{3}{6}$

Let's start by finding an equivalent fraction of  $\frac{1}{2}$  with a denominator of 6.  
 $\frac{1}{2}$  is equivalent to  $\frac{3}{6}$ .  
 So, the model for  $\frac{3}{6}$  is

you see that,  $\frac{5}{6} - \frac{1}{2} = \frac{5}{6} - \frac{3}{6}$

Therefore,  $\frac{5}{6} - \frac{3}{6} = \frac{2}{6}$

**c.**

$\frac{1}{2} - \frac{1}{4}$        $\frac{2}{4} - \frac{1}{4}$

Let's start by finding an equivalent fraction of  $\frac{1}{2}$  with a denominator of 4.  
 $\frac{1}{2}$  is equivalent to  $\frac{2}{4}$ .  
 So, the model for  $\frac{2}{4}$  is

you see that,  $\frac{1}{2} - \frac{1}{4} = \frac{2}{4} - \frac{1}{4}$

Therefore,  $\frac{2}{4} - \frac{1}{4} = \frac{1}{4}$