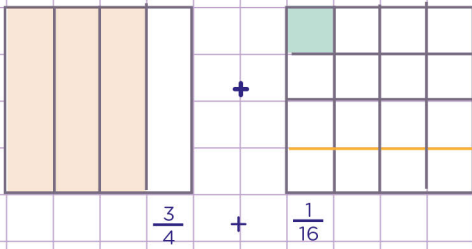


Name: Class:

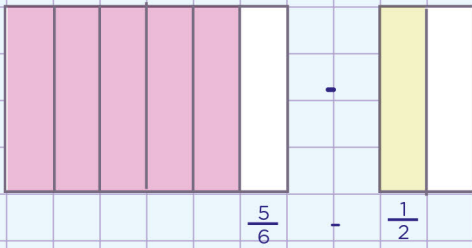
Add and subtract fractions with unlike denominators using models

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

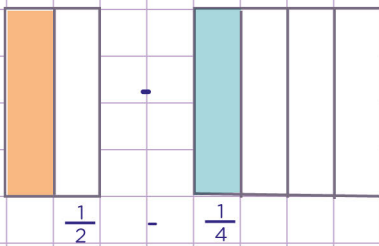
a.



b.



c.

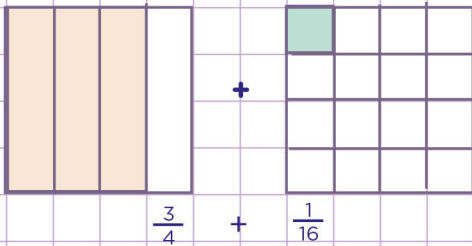


Name: Class:

Add and subtract fractions with unlike denominators using models

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

a.

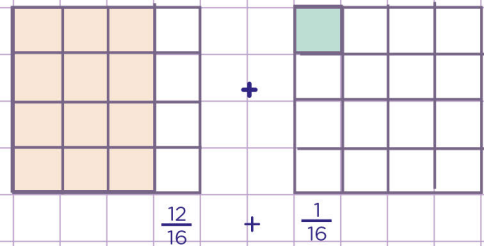


$$\frac{3}{4} + \frac{1}{4}$$

Let's start by finding an equivalent fraction of $\frac{3}{4}$ with a denominator of 16

$$\frac{3}{4} \text{ is equivalent to } \frac{12}{16}$$

So, the model for $\frac{12}{16}$ is,

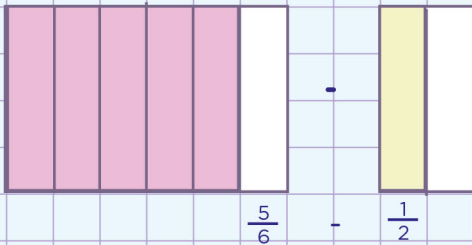


$$\frac{12}{16} + \frac{1}{16}$$

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

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

b.

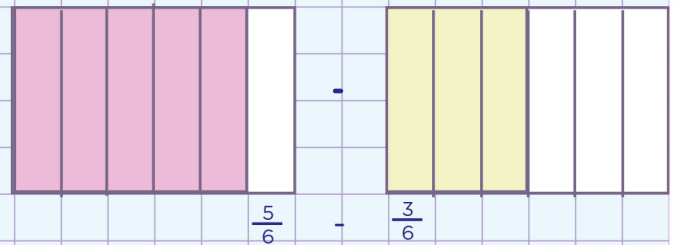


$$\frac{5}{6} - \frac{1}{2}$$

Let's start by finding an equivalent fraction of $\frac{1}{2}$ with a denominator of 6

$$\frac{1}{2} \text{ is equivalent to } \frac{3}{6}$$

So, the model for $\frac{3}{6}$ is

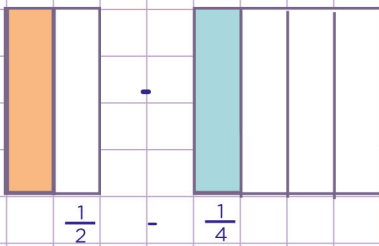


$$\frac{5}{6} - \frac{3}{6}$$

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

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

c.

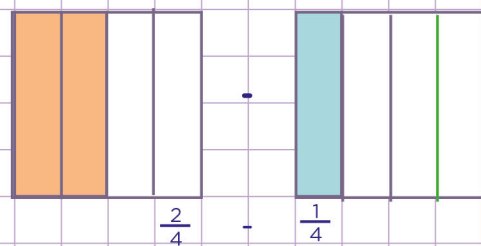


$$\frac{1}{2} - \frac{1}{4}$$

Let's start by finding an equivalent fraction of $\frac{1}{2}$ with a denominator of 4

$$\frac{1}{2} \text{ is equivalent to } \frac{2}{4}$$

So, the model for $\frac{2}{4}$ is



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

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

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

