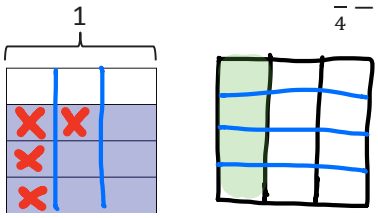
Name _____ Date _____

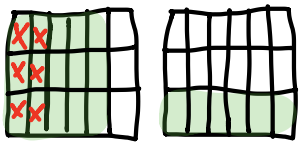
1. The picture below shows $\frac{3}{4}$ of the rectangle shaded. Use the picture to show how to create an equivalent fraction for $\frac{3}{4}$, and then subtract $\frac{1}{3}$.

$\frac{3}{4} - \frac{1}{3} = \frac{9}{12} - \frac{4}{12} = \frac{5}{12}$

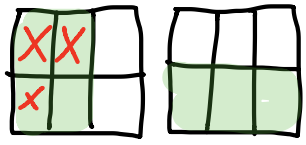


2. Find the difference. Use a rectangular fraction model to find common denominators. Simplify your answer, if possible.

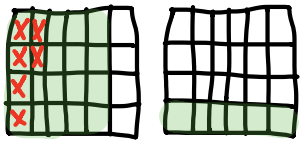
a. $\frac{5}{6} - \frac{1}{3} = \frac{15}{18} - \frac{6}{18} = \frac{9}{18} = \frac{1}{2}$



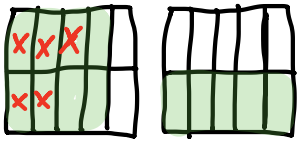
b. $\frac{2}{3} - \frac{1}{2} = \frac{4}{6} - \frac{3}{6} = \frac{1}{6}$



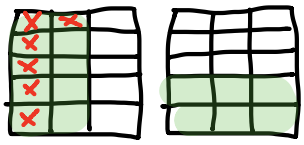
c. $\frac{5}{6} - \frac{1}{4} = \frac{20}{24} - \frac{6}{24} = \frac{14}{24} = \frac{7}{12}$



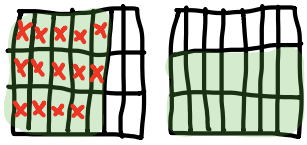
d. $\frac{4}{5} - \frac{1}{2} = \frac{8}{10} - \frac{5}{10} = \frac{3}{10}$



e. $\frac{2}{3} - \frac{2}{5} = \frac{10}{15} - \frac{6}{15} = \frac{4}{15}$



f. $\frac{5}{7} - \frac{2}{3} = \frac{15}{21} - \frac{14}{21} = \frac{1}{21}$



3. Robin used $\frac{1}{4}$ of a pound of butter to make a cake. Before she started, she had $\frac{7}{8}$ of a pound of butter. How much butter did Robin have when she was done baking? Give your answer as a fraction of a pound.

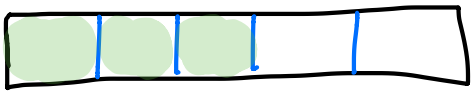
$\frac{7}{8} - \frac{1}{4} = \frac{28}{32} - \frac{8}{32} = \frac{20}{32} = \frac{10}{16} = \frac{5}{8}$

Robin had $\frac{5}{8}$ of a pound of butter left over.

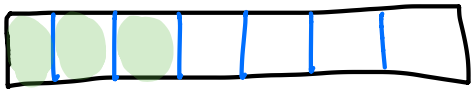
4. Katrina needs $\frac{3}{5}$ kilogram of flour for a recipe. Her mother has $\frac{3}{7}$ kilogram of flour in her pantry. Is this enough flour for the recipe? If not, how much more will she need?

We know $\frac{3}{5}$ is larger than $\frac{3}{7}$ because tape diagrams "prove" it.

$\frac{3}{5}$



$\frac{3}{7}$



$\frac{3}{5} - \frac{3}{7} = \frac{21}{35} - \frac{15}{35} = \frac{6}{35}$

Katrina will need $\frac{6}{35}$ kilogram more.