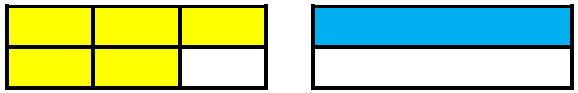
Create Equivalent Fractions to Add Unlike Fractions

Solve the following problems. Use rectangular fraction models to show how to convert to fractions with a common denominator.

a) $\frac{3}{6} + \frac{1}{3}$ b) $\frac{1}{2} + \frac{3}{8}$ c) $\frac{1}{3} + \frac{2}{9}$ d) $\frac{2}{3} + \frac{1}{4}$ e) $\frac{3}{5} + \frac{1}{3}$

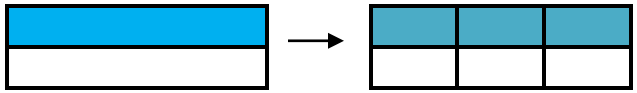
Example: Find the sum of $\frac{5}{6} + \frac{1}{2}$



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

1. Represent the problem using rectangular fraction models.

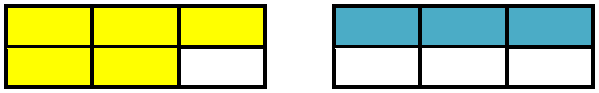
2. Rename one or both fractions so that the units are the same. Think of a way to partition the rectangles into the same number of pieces.



I know that $\frac{1}{2} = \frac{3}{6}$

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

3. Add the fractions. Simplify if possible.



$\frac{5}{6} + \frac{3}{6} = \frac{8}{6}$

$\frac{5}{6} + \frac{3}{6} = \frac{8}{6} = 1\frac{2}{6}$