

## Addition and Subtraction of Fractions

- Using the pattern blocks and assuming that the yellow hexagon is one whole:
  - Create  $\frac{5}{6}$  and  $\frac{2}{3}$ .
  - Compute  $\frac{5}{6} - \frac{2}{3}$  by comparing the two pattern block designs and finding the difference.
  - Was it necessary to compute a common denominator to subtract those two fractions?
- Compute  $\frac{3}{8} + \frac{5}{12}$ . Carefully record the steps you use to do this. Are they all necessary? Why or why not? If not, try to compute the sum again with a simpler algorithm.

## Invert and Multiply

- Solve the following problem with a diagram and/or in the way that is most natural to you.  
A barrel of water is  $\frac{5}{8}$  full. There are  $\frac{10}{3}$  gallons of water in the barrel. How much water can the barrel hold?