# Lesson 5.3C ~ Dividing Fractions with Models
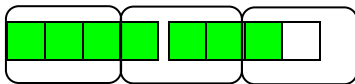
Name_____     Period_____     Date_____

Sometime fractions do not seem to divide evenly when using models. To show $\frac{7}{4} \div \frac{3}{4}$, you are looking to see how many times $\frac{3}{4}$ fits into $\frac{7}{4}$.
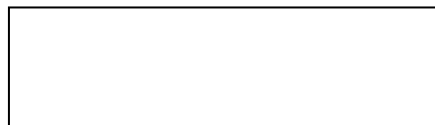


Your model be drawn with $\frac{7}{4}$ of the model shaded. Then, circle groups of $\frac{3}{4}$. Notice that the last circle doesn't have $\frac{3}{4}$ left to circle. In fact, only $\frac{1}{3}$ of the circle is shaded. So, your answer would be $2\frac{1}{3}$ because you have 2 full circles of $\frac{3}{4}$ shaded and $\frac{1}{3}$ of the last circle shaded.

Use the rectangle provided to draw a model to match each expression.  Find the least common denominator if necessary. Find each quotient.
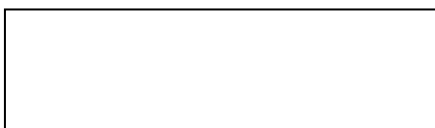
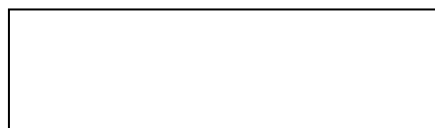**1.** $\frac{9}{8} \div \frac{5}{8} = \boxed{\phantom{xx}}$

**2.** $\frac{7}{10} \div \frac{3}{10} = \boxed{\phantom{xx}}$

**3.** $\frac{3}{4} \div \frac{1}{2} = \boxed{\phantom{xx}}$

**4.** $\frac{7}{8} \div \frac{1}{4} = \boxed{\phantom{xx}}$

**5.** $\frac{7}{3} \div \frac{5}{6} = \boxed{\phantom{xx}}$

**6.** $\frac{3}{2} \div \frac{5}{8} = \boxed{\phantom{xx}}$