8.5 Divide Fractions by Fractions

Blake has $\frac{3}{4}$ cup of vinegar to make a homemade cleaner that saves money and is non-toxic. How many batches of cleaner can he make if he uses $\frac{1}{8}$ cup of vinegar in each batch?

 $\frac{3}{4}$ divided by $\frac{1}{8}$

Option 1: Divide with a model

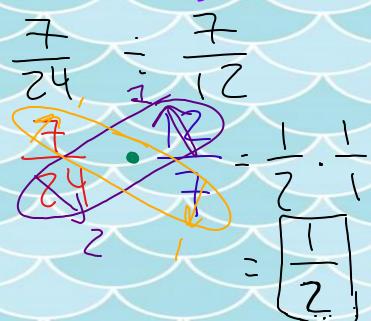
Option 2: Multiply by the Reciprocal

Keep Change Flip

4 x 8

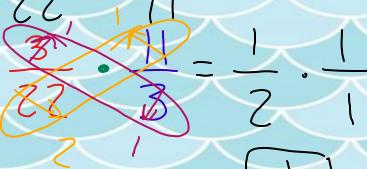
Practice Together:

7/24 by 7/12



Practice Together:

3/22 by 3/11



Practice Together: