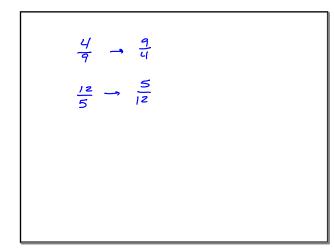
7.4 Dividing Fractions
Reciprocal
- when two numbers
ore reciprocals, their
product is 1

$$\begin{bmatrix} 13 & 51 \\ 15 & 81 \end{bmatrix} = 1 \cdot 1 = 1$$

Reciprocate is when we
switch the numerator
and denominator
What about whole numbers
$$\frac{7}{1}$$
 reciprocal is $\frac{1}{7}$



Dividing Fractions

$$\frac{4}{9} \div \frac{1}{2}$$
 Take reciprocal
of Divisor (2nd)
You can not simplify
before the reciprocal
Then you multiply
 $\frac{8}{9}$ (simplify before multiply)

$$\frac{7}{10} \div \frac{3}{5} \qquad \text{Reciprocal of (2nd)}$$

$$\frac{7}{240} \cdot \frac{5}{3} \qquad \text{Simplify}$$

$$\frac{7}{2} \cdot \frac{1}{3} \qquad \text{multiply}$$

$$\frac{7}{6} = 16 \qquad \text{Renome it needed}$$

$$5 \frac{1}{5} \cdot \frac{2}{5} \cdot \frac{1}{5} \cdot \frac{$$

 $3\frac{7}{8} \quad is the reciprocal <math>3\frac{3}{7}$ Change to Improper $\frac{31}{8} \rightarrow reciprocal is \frac{8}{31}$ P 364-365 2 - 40 even 48, 50