Cross Canceling

NAME _____

Now this is a pretty neat trick. If you have to multiply two fraction, you can reduce before you multiply by cross canceling. It works like this:

$\frac{2}{4} \times \frac{1}{2}$ since there is a 2 top and bottom you can cross them out $\frac{\cancel{2}}{4} \times \frac{1}{\cancel{2}}$ and your left with 1/4

$\frac{\cancel{3}}{4} \times \frac{1}{\cancel{3}} = \frac{1}{4}$

$\frac{\cancel{8}^{4 \times 2}}{\cancel{12}_{4 \times 3}} \times \frac{\cancel{3}}{\cancel{4}_{1}} = \frac{2}{4}$ Reduce to $\frac{1}{2}$

Cross Cancel and reduce

$\frac{2}{4} \times \frac{1}{2}$

$\frac{7}{9} \times \frac{9}{12}$

$\frac{1}{2} \times \frac{2}{12}$

$\frac{2}{3} \times \frac{3}{9}$

$\frac{4}{6} \times \frac{3}{4}$

$\frac{12}{24} \times \frac{16}{32}$

$\frac{4}{6} \times \frac{3}{2}$

$\frac{5}{6} \times \frac{5}{7}$

$\frac{1}{22} \times \frac{8}{9}$

$\frac{4}{9} \times \frac{1}{4}$

$\frac{2}{2} \times \frac{4}{8}$

$\frac{3}{32} \times \frac{8}{9}$