

Adding Fractions

Ex 1:

$$\begin{array}{r} | \frac{3}{4} \cdot \frac{5}{5} \rightarrow | \frac{15}{20} \\ + 2 \frac{2}{5} \cdot \frac{4}{4} \rightarrow 2 \frac{8}{20} \\ \hline 3 \frac{23}{20} \\ \boxed{4 \frac{3}{20}} \end{array}$$

$$\begin{array}{r} \begin{array}{c} \text{denom} \\ \downarrow \\ 23 \\ \hline 20 \end{array} \xrightarrow{\substack{-20 \\ \hline 3}} \\ 1 \frac{3}{20} \\ \downarrow \\ \text{num.} \end{array}$$

Ex 2:

$$\begin{array}{r} | 5 \frac{6}{7} \cdot \frac{9}{9} \rightarrow 5 \frac{54}{63} \\ + 2 \frac{4}{9} \cdot \frac{7}{7} \rightarrow 2 \frac{28}{63} \\ \hline 7 \frac{82}{63} \\ \boxed{8 \frac{19}{63}} \end{array}$$
$$\begin{array}{r} \begin{array}{c} \text{den} \\ \downarrow \\ 63 \end{array} \begin{array}{c} 1 \\ \hline 82 \end{array} \\ \begin{array}{r} -63 \\ \hline 19 \end{array} \\ \begin{array}{c} \leftarrow \text{num} \\ \downarrow \end{array} \end{array}$$

