

Multiplying fractions

• \times ()

Ex 1: $2 \frac{2}{3} \cdot 2 \frac{4}{5}$

$$\frac{8}{3} \cdot \frac{14}{5}$$

$$\frac{14}{3} = \boxed{4 \frac{2}{3}}$$

$$2 \frac{2}{3} \rightarrow \frac{3 \times 1 + 2}{3}$$

$$2 \frac{4}{5} \rightarrow \frac{5 \times 2 + 4}{5}$$

$$\begin{array}{r} \text{den. } 5 \\ 3 \overline{)14} \\ -12 \\ \hline 2 \text{ num} \end{array}$$

Ex 2: $(3 \frac{4}{7})(1 \frac{1}{9})$

$$\frac{25}{7} \cdot \frac{10}{9}$$

$$\frac{250}{63}$$

$$\boxed{3 \frac{61}{63}}$$

$$3 \frac{4}{7} \rightarrow \frac{7 \cdot 3 + 4}{7}$$

$$1 \frac{1}{9} \rightarrow \frac{9 \cdot 1 + 1}{9}$$

$$\begin{array}{r} \text{den. } 9 \\ 63 \overline{)250} \\ -189 \\ \hline 61 \text{ num } 189 \end{array}$$