

Operations w/ Fractions

* Add numerators w/ like denominators.

$$\frac{2}{5} + \frac{1}{5} = \frac{3}{5}$$

$$\begin{array}{l} 4 \cdot \frac{2}{5} + \frac{1 \cdot 5}{4 \cdot 5} \\ \frac{8}{20} + \frac{5}{20} = \frac{13}{20} \end{array}$$

* Multiply across.

$$\frac{2}{5} \cdot \frac{1}{5} = \frac{2 \cdot 1}{5 \cdot 5} = \frac{2}{25}$$

* Reduce w/ common factors.

$$\frac{3}{25} + \frac{7}{25} = \frac{10}{25}$$

$$\frac{10 \div 5}{25 \div 5} = \frac{2}{5}$$

$$\frac{2}{3} \cdot \frac{6}{11} = \frac{12}{33}$$

$$\frac{12 \div 3}{33 \div 3} = \frac{4}{11}$$