Multiplying Fractions

Example

$$\frac{\text{Multiply numerators}}{\text{Multiply denominators}}$$

$$\frac{2}{3} \cdot \frac{4}{6} = \frac{8}{18} = \frac{4}{9}$$

always reduce

- Change any mixed-numbers into improper fractions

Example, $3\frac{1}{2} \cdot \frac{1}{5} = \frac{7}{2} \cdot \frac{1}{5} = \frac{7}{10}$

change

Dividing Fractions

- Need to make division problems into multiplication

- Change any mixed-numbers into improper fractions

- Flip the second fraction (divisor) — then multiply fractions

Example, $\frac{3}{4} \div \frac{1}{5}$

Flip

$$\frac{3}{4} \cdot \frac{5}{1} = \frac{15}{4} \text{ answer}$$