

## Multiplying Fractions

Multiply numerators  
Multiply denominators

Example

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

↑  
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  
↓

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