## Fraction Rules

## Add

- Rewrite fractions with common denominator
- Add numerators
- Keep denominator
- Add Whole \#s
- Reduce / Simplify
- Rewrite fractions with common denominator
- Subtract numerators if possible (If numerator of $2 n d$ fraction is bigger than 1st fraction, you must borrow from the whole \#)
- Subtract Whole \#s
- Keep same denominator
- Reduce / Simplify


## Subtract

## Multiply

- Rewrite mixed \#s as improper fractions
- Cross cancel if possible
- Multiply numerators
- Multiply denominators
- If answer is an improper fraction rewrite as mixed \#
- Reduce / Simplify
- Rewrite mixed \#s as improper fractions
- "Keep it, change it, flip it" *Leave 1st

Divide fraction alone, Change division to muliplication, and Take reciprocal of (flip) 2nd fraction)

- Follow multiplication rules above

