

Add Decimals

1. Line up the decimals.
2. Add zeros to make the digits even.
3. Add

Multiply Decimals

1. Count the decimal places.
2. Drop the decimals and multiply.
3. Put the decimal places back.

Subtract Decimals

1. Line up the decimals.
2. Add zeros to make the digits even.
3. Subtract

Divide Decimals

1. Move the decimal out of the **divisor**.
2. Make the same move on the dividend.
3. Divide

Add Fractions

1. Examine the denominators.
 - *same (do nothing)
 - *easy multiple?
 - *across, up, up?
2. Fix the denominators
3. Fix the numerators.
4. Add
5. Simplify

Subtract Fractions

1. Examine the denominators.
 - *same (do nothing)
 - *easy multiple?
 - *across, up, up?
2. Fix the denominators
3. Fix the numerators.
4. Subtract
5. Simplify

Multiply Fractions

1. Prime factor the numerators
 2. Prime factor the denominators.
 3. Simplify
- **Whole Numbers are Numerators!!
- $$8 = \frac{8}{1}$$

Divide Fractions

1. Flip the **divisor**. (reciprocal)
 2. Multiply
 3. Simplify
- **Whole Numbers are... $8 = \frac{8}{1}$

Add Mixed Numbers

1. Add the fractions
2. Regroup (if needed)
3. Add the whole numbers

Subtract Mixed Numbers

1. Subtract the fractions
2. Regroup (if needed)
3. Subtract the whole numbers

Multiply Mixed Numbers

1. Make improper fractions (where necessary)
2. Multiply
3. Simplify

Divide Mixed Numbers

1. Make improper fractions (where necessary)
2. Flip the Divisor (reciprocal)
3. Multiply
4. Simplify