## Cheat Sheet for Fractions

## Converting Fractions:

- 1. Mixed to Improper:
  - a. Multiply the whole number by the denominator (bottom number)
  - b. Add the numerator (top number)
  - c. This number becomes the new numerator
  - d. The denominator stays the same

Example:

- 2. Improper to Mixed:
  - a. Divide the numerator by the denominator
  - b. The number of full times the denominator fits into the numerator is your whole number
  - c. The remainder goes into a fraction over the original denominator

Example:

## Prime Numbers:

- Prime numbers are only dividable by itself and 1

Example: 2, 3, 5, 7, 11, 13, 17, 19, 23, 29

## Prime Factorization:

- Tree!
- Start by dividing the number by the first prime number (2)

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	3
Example:	8 30
	-24
	6

3. Mixed Fractions:

a.

c. Smplify by writing in lowest terms or as a mixed number

Example:

- 2. Finding the Lowest Common Multiple: a. List Method

i.

