

MUST have

### Common

### Denominator

### LCM in denominator

- Change numerator and

denominator by

mult. them both

by the same number.

Add the

numerators and Keep

denominators.

- Simply, if possible.

\*Reduce or change to a mixed #

Example

$$1 \frac{2}{5} - \frac{5}{6}$$

$$LCM = 30$$

$$3: 3, 6, 9, 12.$$

$$6: 6, 12, 18, 24$$

$$\frac{2}{5} + \frac{5}{6} = \frac{7}{6} + 1 \frac{1}{6}$$

LCM 3+8: 24  
 3: 3, 6, 9, 12, 15, 18, 21, 24  
 8: 8, 16, 24, 32

Example

$$2 \frac{8}{8} - 3 \frac{3}{8}$$

$$\frac{16}{24} - \frac{9}{24} = \frac{7}{24}$$

$$\frac{1}{8} - \frac{3}{8} = -\frac{2}{8} = -\frac{1}{4}$$

MUST HAVE common denominators

for fractional part of number.

Example

$$3 \frac{4}{9} + 1 \frac{5}{6}$$

$$\frac{3 \cdot 1 \cdot 2}{9 \cdot 2} + \frac{1 \cdot 1 \cdot 3}{6 \cdot 3}$$

$$LCM = 18$$

$$9: 9, 18, 27, 36$$

$$6: 6, 12, 18, 24$$

$$\frac{12}{18} + \frac{33}{18} = \frac{45}{18} = 2 \frac{5}{6}$$

Example

$$3 \frac{4}{9} - 1 \frac{5}{6}$$

$$\frac{3 \cdot 1}{9} - \frac{1 \cdot 1}{6}$$

$$\frac{12}{18} - \frac{33}{18}$$

$$\frac{29}{18} = 1 \frac{11}{18}$$

MUST have

### Common denominator

### \* LCM \*

- Change numerator and

denominator by

multiplying by the

same number.

Subtract the

numerators and Keep

denominators.

- Simply, if possible.

MUST HAVE common denominators

for fractional part of number.

- Subtract \_\_\_\_\_

- Subtract whole numbers.

- You may have to "borrow" by

taking one away from the first

whole number. The new

numerator is found by adding

the numerator and \_\_\_\_\_

- \_\_\_\_\_, if possible.

- Simplify, if possible.
- \*Reduce or change to mixed #