

ADDING & SUBTRACTING FRACTIONS



Addition with
LIKE
Denominators

1. Add the numerators
2. Keep the denominators the same
3. Simplify (reduce)

$$\frac{2}{5} + \frac{1}{5} = \frac{3}{5}$$



Addition with
UNLIKE
Denominators

1. Find the least common denominator of the fractions (LCD)
2. Add the numerators.
3. Keep the denominators the same
4. Simplify

$$\frac{2}{3} + \frac{2}{5} = \frac{10}{15} + \frac{6}{15} = \frac{16}{15} = 1\frac{1}{15}$$

Subtraction with
LIKE
Denominators



1. Subtract the numerators.
2. Keep the denominators the same
3. Simplify (Reduce)

$$\frac{5}{6} - \frac{3}{6} = \frac{2}{6} \div 2 = \frac{1}{3}$$



Subtraction with
UNLIKE
Denominators



1. Find the LCD and make equivalent fractions
2. Subtract numerators.
3. Keep denominators same
4. Simplify.

$$\frac{5}{8} - \frac{1}{4} = \frac{5}{8} - \frac{2}{8} = \frac{3}{8}$$