

How to Tackle Fractions

Adding Fractions with *like* Denominators:

$$\frac{A}{B} + \frac{C}{B} = \frac{A + C}{B}$$

Subtracting Fractions with *like* Denominators:

$$\frac{A}{B} - \frac{C}{B} = \frac{A - C}{B}$$

Adding Fractions with *different* Denominators:

$$\frac{A}{B} + \frac{C}{D} = \frac{AD + BC}{BD}$$

Subtracting Fractions with *different* Denominators:

$$\frac{A}{B} - \frac{C}{D} = \frac{AD - BC}{BD}$$

Multiplying Fractions:

$$\frac{A}{B} \times \frac{C}{D} = \frac{AC}{BD}$$

Dividing Fractions:

$$\frac{A}{B} \div \frac{C}{D} = \frac{A}{B} \times \frac{D}{C} = \frac{AD}{BC}$$