

LES FRACTIONS

× × × MULTIPLICATION × × ×

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

Exemple :

$$\frac{4}{2} \times \frac{1}{8} = \frac{4 \times 1}{2 \times 8} = \frac{4}{16}$$

LES FRACTIONS

% % % DIVISION % % %

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

Exemple :

$$\frac{\frac{3}{2}}{\frac{4}{5}} = \frac{3}{2} \times \frac{5}{4} = \frac{15}{8}$$

LES FRACTIONS

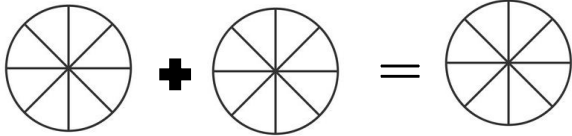
$$\frac{\text{NUMERATEUR}}{\text{DENOMINATEUR}} = \frac{4}{8}$$

+++ ADDITION +++

MÊME DENOMINATEUR

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

Exemple :

$$\frac{3}{8} + \frac{1}{8} = \frac{3 + 1}{8} = \frac{4}{8}$$


LES FRACTIONS

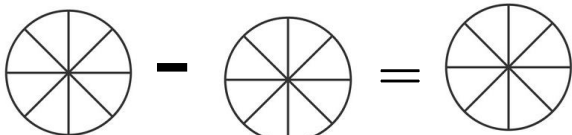
$$\frac{\text{NUMERATEUR}}{\text{DENOMINATEUR}} = \frac{4}{8}$$

--- SOUSTRACTION ---

MÊME DENOMINATEUR

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

Exemple :

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


LES FRACTIONS

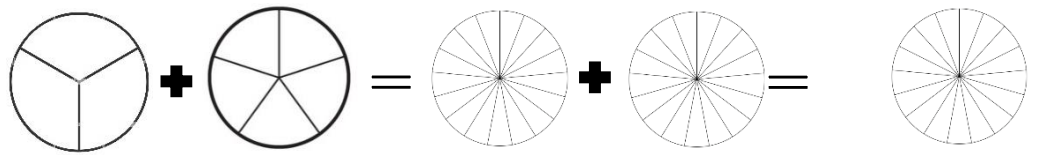
+++ ADDITION +++

Si différents DENOMINATEURS

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

Exemple :

$$\frac{1}{3} + \frac{3}{5} = \frac{1 \times 5}{3 \times 5} + \frac{3 \times 3}{5 \times 3} = \frac{5}{15} + \frac{9}{15} = \frac{14}{15}$$



LES FRACTIONS

Addition OU Soustraction

Exemple :

$$\frac{\text{NUMERATEUR}}{\text{DENOMINATEUR}} = \frac{2}{7}$$

MÊME DENOMINATEUR

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

Exemple :

$$\frac{3}{9} + \frac{1}{9} = \frac{3 + 1}{9} = \frac{4}{9}$$

Si différents DENOMINATEURS

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

Exemple :

$$\frac{5}{7} + \frac{6}{8} = \frac{5 \times 8}{7 \times 8} + \frac{6 \times 7}{8 \times 7} = \frac{40}{56} + \frac{42}{56} = \frac{82}{56}$$