



### EXERCICE 1

Simplifier les fractions suivantes en utilisant la machine

$$\frac{48}{60} = \dots$$

$$\frac{-100}{-60} = \dots$$

$$-\frac{-51}{-3} = \dots$$

$$\frac{-1024}{-512} = \dots$$

### EXERCICE 2

Calculer

$$\frac{-4}{5} + \frac{9}{-7}$$

$$\frac{-12}{7} - \frac{15}{10}$$

$$-\frac{-10}{-9} - \frac{11}{10}$$

$$\frac{12}{5} - \frac{3}{7}$$

### EXERCICE 3

$$\frac{\frac{8}{3}}{\frac{5}{7}}$$

$$\frac{-\frac{10}{3}}{\frac{2}{9}}$$

$$\frac{-\frac{10}{7}}{-\frac{7}{6}}$$

$$\frac{\frac{5}{3}}{5}$$

$$\frac{\frac{4}{7} + \frac{5}{2}}{\frac{8}{5}}$$

$$\frac{\frac{5}{3} - \frac{7}{2}}{\frac{7}{10}}$$

$$\frac{\frac{11}{18} + \frac{24}{9}}{\frac{20}{3} - \frac{3}{10}}$$

$$\frac{\frac{13}{8} \times \frac{7}{12}}{\frac{5}{12} \times \frac{9}{6}}$$

### EXERCICE 4

$$\left(\frac{-7}{2} \times \frac{9}{-5}\right) \div \left(\frac{3}{14} \times \frac{5}{-2}\right) ; ; ; \left(\frac{-7}{4} + \frac{3}{-8}\right) \div \left(\frac{5}{6} - \frac{-6}{2}\right)$$

$$\left(\frac{-4}{5} + \frac{9}{-7}\right) \times \left(\frac{\frac{4}{7} + 5}{7}\right) ; ; ; \left(\frac{5}{9} - \frac{6}{18}\right) \div \left(\frac{\frac{7}{3} \times \frac{5}{2}}{\frac{7}{6}}\right)$$