

FICHE 4 : MULTIPLICATION

EXERCICE 1 - Calculer en donnant le résultat en *écriture fractionnaire* (simplifiée si possible) :

$$A = \frac{2}{7} \times \frac{4}{3}$$

$$B = \frac{4}{7} \times \frac{2}{3}$$

$$C = 7 \times \frac{4}{11}$$

$$D = \frac{7}{11} \times 4$$

$$E = 9 \times \frac{-4}{5}$$

$$F = \frac{-2}{5} \times \frac{9}{5}$$

$$G = \frac{-7}{6} \times \frac{5}{-9}$$

$$H = \frac{7}{-10} \times \frac{-11}{-3}$$

$$I = \frac{-11}{-4} \times \frac{-9}{-13}$$

$$J = \frac{-5}{-7} \times \left(\frac{15}{-2} \right)$$

$$K = \frac{-5}{2} \times \frac{2}{-3}$$

$$L = \frac{-2}{-3} \times \left(\frac{-3}{-7} \right)$$

$$M = 4 \times \frac{5}{-4}$$

$$N = \frac{-4}{15} \times (-5)$$

$$O = -12 \times \left(\frac{7}{-6} \right)$$

$$P = \frac{-2}{-3} \times \frac{5}{-4}$$

$$Q = \frac{5}{-7} \times \frac{-3}{-15}$$

$$R = \frac{-5}{-7} \times \frac{14}{-15}$$

$$S = \frac{6}{-10} \times \frac{-1}{-3}$$

$$T = \frac{-28}{-21} \times \left(\frac{-6}{-4} \right)$$

EXERCICE 2 - Calculer en prenant le soin de **simplifier avant de calculer** :

$$\begin{aligned} x &= \frac{-4}{5} \times \frac{5}{-3} \times \frac{2}{7} \\ x &= \frac{-4}{-3} \times \frac{2}{7} \\ x &= \frac{8}{21} \end{aligned}$$

$$A = \frac{2}{5} \times \frac{5}{3}$$

$$B = \frac{3}{7} \times \frac{4}{-3}$$

$$C = \frac{6}{-5} \times \frac{-7}{-6}$$

$$D = \frac{9}{-11} \times \frac{-7}{18}$$

$$E = \frac{-9}{4} \times \frac{-2}{5}$$

$$F = \frac{3}{-4} \times \frac{8}{-7}$$

$$G = \frac{-4}{5} \times \frac{-7}{6}$$

$$H = \frac{7}{-10} \times \frac{-15}{-2}$$

$$I = \frac{-21}{-2} \times \frac{-5}{-28}$$

$$J = \frac{-2}{35} \times \frac{-25}{6}$$

$$K = \frac{21}{-8} \times \frac{-22}{15}$$

$$L = \frac{-6}{-15} \times \frac{-20}{-8}$$

$$M = \frac{2}{-3} \times \frac{-11}{5} \times \frac{-5}{7}$$

$$N = \frac{-3}{-4} \times \frac{-5}{-2} \times \frac{4}{3}$$

$$O = \frac{-2}{-11} \times \frac{-5}{-6} \times \frac{-3}{35}$$

$$P = \frac{-4}{15} \times \frac{-21}{-6} \times \frac{-10}{14}$$

$$Q = \frac{8}{25} \times \frac{77}{6} \times \left(\frac{-20}{88} \right)$$

$$R = \frac{23}{51} \times \frac{-13}{-19} \times \frac{-7}{9} \times \frac{0}{34}$$