

NOMBRES RELATIFS EN ECRITURE FRACTIONNAIRE

EXERCICE 1C

EXERCICE 1 - Calculer en donnant le résultat en *écriture fractionnaire* :

|                                         |                                                       |                                           |                                            |                                                          |
|-----------------------------------------|-------------------------------------------------------|-------------------------------------------|--------------------------------------------|----------------------------------------------------------|
| $A = \frac{2}{7} \times \frac{4}{3}$    | $B = \frac{4}{7} \times \frac{2}{3}$                  | $C = 7 \times \frac{4}{11}$               | $D = \frac{7}{11} \times 4$                | $E = 9 \times \frac{-4}{5}$                              |
| $F = \frac{-2}{5} \times \frac{9}{5}$   | $G = \frac{-7}{6} \times \frac{5}{-9}$                | $H = \frac{7}{-10} \times \frac{-11}{-3}$ | $I = \frac{-11}{-4} \times \frac{-9}{-13}$ | $J = -\frac{5}{-7} \times \left(-\frac{15}{-2}\right)$   |
| $K = \frac{-5}{2} \times \frac{2}{-3}$  | $L = -\frac{2}{-3} \times \left(-\frac{3}{-7}\right)$ | $M = 4 \times \frac{5}{-4}$               | $N = \frac{-4}{15} \times (-5)$            | $O = -12 \times \left(-\frac{7}{-6}\right)$              |
| $P = \frac{-2}{-3} \times \frac{5}{-4}$ | $Q = \frac{5}{-7} \times \frac{-3}{-15}$              | $R = \frac{-5}{-7} \times \frac{14}{-15}$ | $S = \frac{6}{-10} \times \frac{-1}{-3}$   | $T = -\frac{28}{-21} \times \left(-\frac{-6}{-4}\right)$ |

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

|                                                                                                                           |                                                                                                                                            |                                                                               |                                                                           |                                                                                    |
|---------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|---------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| $X = \frac{-4}{5} \times \frac{5}{-3} \times \frac{2}{7}$<br>$X = \frac{-4}{-3} \times \frac{2}{7}$<br>$X = \frac{8}{21}$ | $Y = \frac{-6}{5} \times \frac{-7}{2} \times \frac{3}{-11}$<br>$Y = \frac{-3 \times (-7) \times 3}{5 \times (-11)}$<br>$Y = \frac{63}{55}$ | $A = \frac{2}{5} \times \frac{5}{3}$                                          | $B = \frac{3}{7} \times \frac{4}{-3}$                                     | $C = \frac{6}{-5} \times \frac{-7}{-6}$                                            |
| $D = \frac{9}{-11} \times \frac{-7}{18}$                                                                                  | $E = \frac{-9}{4} \times \frac{-2}{5}$                                                                                                     | $F = \frac{3}{-4} \times \frac{8}{-7}$                                        | $G = \frac{-4}{5} \times \frac{-7}{6}$                                    | $H = \frac{7}{-10} \times \frac{-15}{-2}$                                          |
| $I = \frac{-21}{-2} \times \frac{-5}{-28}$                                                                                | $J = \frac{-2}{35} \times \frac{-25}{6}$                                                                                                   | $K = \frac{21}{-8} \times \frac{-22}{15}$                                     | $L = -\frac{6}{-15} \times \frac{-20}{-8}$                                | $M = \frac{2}{-3} \times \frac{-11}{5} \times \frac{-5}{7}$                        |
| $N = \frac{-3}{-4} \times \frac{-5}{-2} \times \frac{4}{3}$                                                               | $O = \frac{-2}{-11} \times \frac{-5}{-6} \times \frac{-3}{35}$                                                                             | $P = \frac{-4}{15} \times \left(-\frac{-21}{-6}\right) \times \frac{-10}{14}$ | $Q = \frac{8}{25} \times \frac{77}{6} \times \left(-\frac{20}{88}\right)$ | $R = \frac{23}{51} \times \frac{-13}{-19} \times \frac{-7}{9} \times \frac{0}{34}$ |