

## EXERCICE 1

Donner le résultat en écriture fractionnaire :

$A = \frac{2}{3} \times \frac{4}{5}$ $A = \frac{8}{15}$	$B = \frac{4}{3} \times \frac{2}{7}$	$C = \frac{1}{9} \times \frac{7}{2}$	$D = \frac{11}{7} \times \frac{3}{8}$	$E = \frac{5}{2} \times \frac{15}{8}$
$F = \frac{7}{13} \times 2$	$G = \frac{2}{5} \times \frac{9}{5}$	$H = \frac{7}{6} \times \frac{7}{9}$	$I = 5 \times \frac{8}{13}$	$J = \frac{7}{2} \times \frac{3}{17}$
$K = \frac{11}{4} \times \frac{9}{13}$	$L = \frac{5}{7} \times \frac{6}{5}$	$M = 4 \times \frac{17}{21}$	$N = \frac{4}{11} \times \frac{9}{5}$	$O = \frac{13}{2} \times \frac{2}{19}$
$P = 2 \times \frac{9}{2}$	$Q = 9 \times \frac{4}{25}$	$R = \frac{7}{6} \times \frac{1}{4}$	$S = \frac{14}{3} \times \frac{3}{5}$	$T = \frac{4}{5} \times 10$
$U = \frac{2}{7} \times \frac{5}{11} \times 2$	$V = \frac{6}{7} \times 14 \times \frac{5}{7}$	$W = \frac{2}{46} \times \frac{23}{7} \times \frac{3}{2}$	$X = 22 \times \frac{4}{11} \times \frac{3}{5}$	$Y = \frac{10}{9} \times 11 \times \frac{3}{2}$

## EXERCICE 2

Simplifier puis calculer comme dans les exemples (merci d'entourer les nombres au lieu de les barrer) :

$A = \frac{2}{\boxed{3}} \times \frac{\boxed{3}}{7} \times \frac{5}{11}$ $A = \frac{2 \times 5}{7 \times 11}$ $A = \frac{10}{77}$	$B = \frac{13}{5} \times \frac{\boxed{3}}{11} \times \frac{1}{\boxed{6} \cdot 3}$ $B = \frac{13 \times 1}{5 \times 11 \times 3}$ $B = \frac{13}{88}$	$C = \frac{3}{5} \times \frac{13}{7} \times \frac{5}{2}$	$D = \frac{4}{3} \times \frac{2}{7} \times \frac{7}{5}$	$E = \frac{3}{2} \times \frac{2}{5} \times \frac{3}{11}$
$F = \frac{7}{5} \times \frac{7}{11} \times \frac{5}{3}$	$G = \frac{7}{5} \times \frac{5}{6} \times \frac{11}{7}$	$H = \frac{7}{3} \times \frac{3}{2} \times \frac{2}{7}$	$I = \frac{2}{3} \times \frac{5}{2} \times \frac{3}{11} \times \frac{11}{5}$	$J = 4 \times \frac{7}{3} \times \frac{5}{4}$
$K = \frac{5}{3} \times \frac{5}{7} \times \frac{2}{7}$	$L = \frac{4}{3} \times \frac{3}{20} \times \frac{11}{7}$	$M = \frac{11}{14} \times 7 \times \frac{11}{3}$	$N = \frac{8}{7} \times \frac{1}{5} \times \frac{11}{4}$	$O = \frac{2}{3} \times \frac{4}{5} \times \frac{6}{7} \times \frac{8}{9} \times \frac{0}{11}$

## CORRIGE – M. QUET

## EXERCICE 1

$A = \frac{2}{3} \times \frac{4}{5}$ $A = \frac{8}{15}$	$B = \frac{4}{3} \times \frac{2}{7}$ $B = \frac{4 \times 2}{3 \times 7} = \frac{8}{21}$	$C = \frac{1}{9} \times \frac{7}{2}$ $C = \frac{1 \times 7}{9 \times 2} = \frac{7}{18}$	$D = \frac{11}{7} \times \frac{3}{8}$ $D = \frac{11 \times 3}{7 \times 8} = \frac{33}{56}$	$E = \frac{5}{2} \times \frac{15}{8}$ $E = \frac{5 \times 15}{2 \times 8} = \frac{75}{16}$
$F = \frac{7}{13} \times 2$ $F = \frac{7 \times 2}{13 \times 1} = \frac{14}{13}$	$G = \frac{2}{5} \times \frac{9}{5}$ $G = \frac{2 \times 9}{5 \times 5} = \frac{18}{25}$	$H = \frac{7}{6} \times \frac{7}{9}$ $H = \frac{7 \times 7}{6 \times 9} = \frac{49}{54}$	$I = 5 \times \frac{8}{13}$ $I = \frac{5 \times 8}{1 \times 13} = \frac{40}{13}$	$J = \frac{7}{2} \times \frac{3}{17}$ $J = \frac{7 \times 3}{2 \times 17} = \frac{21}{34}$
$K = \frac{11}{4} \times \frac{9}{13}$ $K = \frac{11 \times 9}{4 \times 13} = \frac{99}{52}$	$L = \frac{5}{7} \times \frac{6}{5}$ $L = \frac{\boxed{5} \times 6}{7 \times \boxed{5}} = \frac{6}{7}$	$M = 4 \times \frac{17}{21}$ $M = \frac{4 \times 17}{1 \times 21} = \frac{68}{21}$	$N = \frac{4}{11} \times \frac{9}{5}$ $M = \frac{4 \times 9}{11 \times 5} = \frac{36}{55}$	$O = \frac{13}{2} \times \frac{2}{19}$ $O = \frac{13 \times \boxed{2}}{\boxed{2} \times 19} = \frac{13}{19}$
$P = 2 \times \frac{9}{2}$ $P = \frac{\boxed{2} \times 9}{1 \times \boxed{2}} = 9$	$Q = 9 \times \frac{4}{25}$ $Q = \frac{9 \times 4}{1 \times 25} = \frac{36}{25}$	$R = \frac{7}{6} \times \frac{1}{4}$ $R = \frac{7 \times 1}{6 \times 4} = \frac{7}{24}$	$S = \frac{14}{3} \times \frac{3}{5}$ $S = \frac{14 \times \boxed{3}}{\boxed{3} \times 5} = \frac{14}{5}$	$T = \frac{4}{5} \times 10$ $T = \frac{4 \times 10}{5 \times 1}$ $T = \frac{4 \times 2 \times \boxed{5}}{\boxed{5} \times 1} = 8$
$U = \frac{2}{7} \times \frac{5}{11} \times 2$ $U = \frac{2 \times 5 \times 2}{7 \times 11} = \frac{20}{77}$	$V = \frac{6}{7} \times 14 \times \frac{5}{7}$ $V = \frac{6 \times 14 \times 5}{7 \times 1 \times 7}$ $V = \frac{6 \times 2 \times \boxed{7} \times 5}{7 \times 1 \times \boxed{7}}$ $V = \frac{60}{7}$	$W = \frac{2}{46} \times \frac{23}{7} \times \frac{3}{2}$ $W = \frac{2 \times 23 \times 3}{46 \times 7 \times 2}$ $W = \frac{\boxed{2} \times \boxed{23} \times 3}{\boxed{2} \times \boxed{23} \times 7 \times 2}$ $W = \frac{3}{14}$	$X = 22 \times \frac{4}{11} \times \frac{3}{5}$ $X = \frac{22 \times 4 \times 3}{1 \times 11 \times 5}$ $X = \frac{\boxed{11} \times 2 \times 4 \times 3}{1 \times \boxed{11} \times 5}$ $X = \frac{24}{5}$	$Y = \frac{10}{9} \times 11 \times \frac{3}{2}$ $Y = \frac{10 \times 11 \times 3}{9 \times 1 \times 2}$ $Y = \frac{5 \times \boxed{2} \times 11 \times \boxed{3}}{3 \times \boxed{3} \times 1 \times \boxed{2}}$ $Y = \frac{55}{3}$

## EXERCICE 2

$A = \frac{2}{\boxed{3}} \times \frac{\boxed{3}}{7} \times \frac{5}{11}$ $A = \frac{2 \times 5}{7 \times 11}$ $A = \frac{10}{77}$	$B = \frac{13}{5} \times \frac{\boxed{3}}{11} \times \frac{1}{\boxed{6} \times 3}$ $B = \frac{13 \times 1}{5 \times 11 \times 3}$ $B = \frac{13}{88}$	$C = \frac{3}{5} \times \frac{13}{7} \times \frac{5}{2}$ $C = \frac{3 \times 13 \times \boxed{5}}{\boxed{5} \times 7 \times 2}$ $C = \frac{39}{14}$	$D = \frac{4}{3} \times \frac{2}{7} \times \frac{7}{5}$ $D = \frac{4 \times 2 \times \boxed{7}}{3 \times \boxed{7} \times 5}$ $D = \frac{8}{15}$	$E = \frac{3}{2} \times \frac{2}{5} \times \frac{3}{11}$ $E = \frac{3 \times \boxed{2} \times 3}{\boxed{2} \times 5 \times 11}$ $E = \frac{9}{55}$
$F = \frac{7}{5} \times \frac{7}{11} \times \frac{5}{3}$ $F = \frac{7 \times 7 \times \boxed{5}}{\boxed{5} \times 11 \times 3}$ $F = \frac{49}{33}$	$G = \frac{7}{5} \times \frac{5}{6} \times \frac{11}{7}$ $G = \frac{\boxed{7} \times \boxed{5} \times 11}{\boxed{5} \times 6 \times \boxed{7}}$ $G = \frac{11}{6}$	$H = \frac{7}{3} \times \frac{3}{2} \times \frac{2}{7}$ $H = \frac{\boxed{7} \times \boxed{3} \times \boxed{2}}{\boxed{3} \times \boxed{2} \times \boxed{7}}$ $H = 1$	$I = \frac{2}{3} \times \frac{5}{2} \times \frac{3}{11} \times \frac{11}{5}$ $I = \frac{\boxed{2} \times \boxed{5} \times \boxed{3} \times \boxed{11}}{\boxed{3} \times \boxed{2} \times \boxed{11} \times \boxed{5}}$ $I = 1$	$J = 4 \times \frac{7}{3} \times \frac{5}{4}$ $J = \frac{\boxed{4} \times 7 \times 5}{1 \times 3 \times \boxed{4}}$ $J = \frac{35}{3}$

$$K = \frac{5}{3} \times \frac{5}{7} \times \frac{2}{7}$$

$$K = \frac{50}{147}$$

$$L = \frac{4}{3} \times \frac{3}{20} \times \frac{11}{7}$$

$$L = \frac{\boxed{4} \times \boxed{3} \times 11}{\boxed{3} \times \boxed{4} \times 5 \times 7}$$

$$L = \frac{11}{35}$$

$$M = \frac{11}{14} \times 7 \times \frac{11}{3}$$

$$M = \frac{11 \times \boxed{7} \times 11}{\boxed{7} \times 2 \times 1 \times 3}$$

$$M = \frac{121}{6}$$

$$N = \frac{8}{7} \times \frac{1}{5} \times \frac{11}{4}$$

$$N = \frac{2 \times \boxed{4} \times 1 \times 11}{7 \times 5 \times \boxed{4}}$$

$$N = \frac{22}{35}$$

$$O = \frac{2}{3} \times \frac{4}{5} \times \frac{6}{7} \times \frac{8}{9} \times \frac{0}{11}$$

$$O = \frac{2 \times 4 \times 6 \times 8 \times \boxed{0}}{3 \times 5 \times 7 \times 9 \times 11}$$

$$O = 0$$