

## FICHE D'EXERCICES 1 – Multiplication de fractions

**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** :

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