EXERCICE 4B.1

Donner le résultat en écriture fractionnaire :

$A = \dfrac{2}{3} \times \left(\dfrac{7}{5} + \dfrac{2}{5}\right)$	$B = \left(\dfrac{7}{4} - \dfrac{3}{4}\right) \times \left(\dfrac{7}{5} + \dfrac{2}{5}\right)$	$C = \dfrac{17}{14} - \left(\dfrac{3}{2} \times \dfrac{5}{7}\right)$	$D = \left(\dfrac{7}{12} + \dfrac{1}{6}\right) \times \dfrac{3}{2}$
$E = 4 \times \left(\dfrac{3}{10} + \dfrac{3}{5}\right)$	$F = \left(\dfrac{10}{8} - \dfrac{1}{4}\right) \times \left(\dfrac{7}{12} + \dfrac{2}{3}\right)$	$G = \dfrac{4}{5} - \dfrac{1}{3} \times \dfrac{2}{15} + \dfrac{4}{45}$	$H = \dfrac{1}{2}\left[\dfrac{1}{4} - \left(\dfrac{1}{8} - \dfrac{1}{16}\right)\right]$

EXERCICE 4B.2

Calculer en appliquant la distributivité :

$A = \dfrac{4}{3} \times \left(\dfrac{3}{10} + \dfrac{3}{5}\right)$ $A = \dfrac{\dots}{\dots} \times \dfrac{\dots}{\dots} + \dfrac{\dots}{\dots} \times \dfrac{\dots}{\dots}$	$B = \dfrac{2}{5} \times \dfrac{13}{7} + \dfrac{2}{5} \times \dfrac{1}{7}$ $B = \dfrac{\dots}{\dots} \times \left(\dfrac{\dots}{\dots} + \dfrac{\dots}{\dots}\right)$	$C = 12 \times \left(\dfrac{7}{3} - \dfrac{5}{4}\right)$	$D = \dfrac{6}{5} \times \dfrac{1}{2} + \dfrac{6}{5} \times \dfrac{2}{3}$

EXERCICE 4B.3

Sachant que $a = \dfrac{3}{4}$ et $b = \dfrac{5}{2}$, calculer :

$A = 3a + 2b$	$B = 4ab$	$C = (a + b)(b - a)$	$D = \dfrac{5}{3}a - \dfrac{1}{6}b$