

3 ^e	Fiche compétences Alg chapitre 0	Opérations 2 (N11)
<u>exercice 1:</u>	<p>a. Calculer A = $\frac{7}{4} + \frac{9}{4}$</p> <p>c. Calculer C = $\frac{3}{10} + \frac{7}{2} \times \frac{9}{5}$</p>	<p>b. Calculer B = $\frac{5}{2} \times \frac{3}{7}$</p>
<u>exercice 2:</u>	<p>a. Calculer A = $\frac{2}{3} + \frac{5}{6}$</p> <p>c. Calculer C = $(\frac{5}{2} + \frac{3}{4}) \times \frac{4}{7}$</p>	<p>b. Calculer B = $\frac{3}{8} \times \frac{8}{5}$</p>
<u>exercice 3:</u>	<p>a. Calculer A = $\frac{8}{9} + \frac{5}{36}$</p> <p>c. Calculer C = $\frac{7}{3} \times \frac{2}{7} + \frac{1}{6}$</p>	<p>b. Calculer B = $\frac{2}{7} \times \frac{4}{5} \times \frac{7}{4}$</p>
<u>exercice 4:</u>	<p>a. Calculer A = $\frac{7}{3} + \frac{5}{2}$</p> <p>c. Calculer C = $\frac{3}{4} \div \frac{7}{4}$</p>	<p>b. Calculer B = $\frac{6}{35} \times \frac{7}{1}$</p>
<u>exercice 5:</u>	<p>a. Calculer A = $\frac{-7}{4} + \frac{5}{4}$</p> <p>c. Calculer C = $\frac{3}{5} \div \frac{4}{7} \times \frac{7}{-3}$</p>	<p>b. Calculer B = $\frac{-4}{3} \times \frac{5}{3}$</p>
<u>exercice 6:</u>	<p>a. Calculer A = $\frac{7}{5} - \frac{4}{15}$</p> <p>c. Calculer C = $\frac{2}{-9} \div (\frac{-3}{4} + \frac{1}{4})$</p>	<p>b. Calculer B = $\frac{7}{-2} \div \frac{-6}{-5}$</p>
<u>exercice 7:</u>	<p>a. Calculer A = $\frac{-2}{3} + \frac{5}{-4}$</p> <p>c. Calculer C = $(\frac{2}{8} + \frac{3}{16}) \times (\frac{-1}{3} + \frac{-2}{7})$</p>	<p>b. Calculer B = $\frac{1}{2} \times (\frac{-2}{3}) \times \frac{-5}{9}$</p>

3 ^e corrections	Fiche compétences Algèbre chapitre 0	Opérations 2 (N11)	
exercice 1:	$A = \frac{7}{4} + \frac{9}{4}$ $A = \frac{16}{4}$ $A = 4$	$C = \frac{3}{10} + \frac{7}{2} \times \frac{9}{5}$ $C = \frac{3}{10} + \frac{63}{10}$ $C = \frac{66}{10}$ $C = \frac{33}{5}$	
exercice 2:	$A = \frac{2 \times 2}{3 \times 2} + \frac{5}{6}$ $A = \frac{4}{6} + \frac{5}{6}$ $A = \frac{9 \div 3}{6 \div 3}$ $A = \frac{3}{2}$	$C = \left(\frac{5 \times 2}{2 \times 2} + \frac{3}{4}\right) \times \frac{4}{7}$ $C = \left(\frac{10}{4} + \frac{3}{4}\right) \times \frac{4}{7}$ $C = \frac{13}{4} \times \frac{4}{7}$ $C = \frac{13}{7}$	
exercice 3:	$A = \frac{8 \times 4}{9 \times 4} + \frac{5}{36}$ $A = \frac{32}{36} + \frac{5}{36}$ $A = \frac{37}{36}$	$C = \frac{7}{3} \times \frac{2}{7} + \frac{1}{6}$ $C = \frac{2 \times 2}{3 \times 2} + \frac{1}{6}$ $C = \frac{4}{6} + \frac{1}{6}$ $C = \frac{5}{6}$	
exercice 4:	$A = \frac{7 \times 2}{3 \times 2} + \frac{5 \times 3}{2 \times 3}$ $A = \frac{14}{6} + \frac{15}{6}$ $A = \frac{29}{6}$	$B = \frac{6}{35} \times \frac{7}{1}$ $B = \frac{6}{7 \times 5} \times \frac{7}{1}$ $B = \frac{6}{5}$	$C = \frac{3}{4} \div \frac{7}{4}$ $C = \frac{3}{4} \times \frac{4}{7}$ $C = \frac{3}{7}$
exercice 5:	$A = \frac{-7}{4} + \frac{5}{4}$ $A = \frac{-2 \div 2}{4 \div 2}$ $A = -\frac{1}{2}$	$B = \frac{-4}{3} \times \frac{5}{3}$ $B = -\frac{20}{9}$	$C = \frac{3}{5} \div \frac{4}{7} \times \frac{7}{-3}$ $C = -\frac{3}{5} \times \frac{7}{4} \times \frac{7}{3}$ $C = -\frac{49}{20}$
exercice 6:	$A = \frac{7 \times 3}{5 \times 3} - \frac{4}{15}$ $A = \frac{21}{15} - \frac{4}{15}$ $A = \frac{17}{15}$	$B = \frac{7}{-2} \div \frac{-6}{-5}$ $B = -\frac{7}{2} \times \frac{5}{6}$ $B = -\frac{35}{12}$	$C = \frac{2}{-9} \div \left(\frac{-3}{4} + \frac{1}{4}\right)$ $C = \frac{2}{-9} \div \frac{-2}{4}$ $C = +\frac{2}{9} \times \frac{4}{2}$ $C = \frac{4}{9}$

exercice 7:

$$A = \frac{-2 \times 4}{3 \times 4} + \frac{5 \times (-3)}{-4 \times (-3)}$$

$$A = \frac{-8}{12} + \frac{-15}{12}$$

$$A = \frac{-23}{12}$$

$$C = \left(\frac{2 \times 2}{8 \times 2} + \frac{3}{16} \right) \times \left(\frac{-1 \times 7}{3 \times 7} + \frac{-2 \times 3}{7 \times 3} \right)$$

$$C = \left(\frac{4}{16} + \frac{3}{16} \right) \times \left(\frac{-7}{21} + \frac{-6}{21} \right)$$

$$C = \left(\frac{7}{16} \right) \times \left(\frac{-13}{21} \right)$$

$$C = -\frac{13}{48}$$

$$B = \frac{1}{2} \times \left(-\frac{2}{3} \right) \times \frac{-5}{9}$$

$$B = +\frac{5}{27}$$