Les opérations sur les fractions

Exercice : 01

Calculer : $\frac{7}{11}+\frac{17}{11}$;; $\frac{14}{15}+\frac{8}{15}$;; $\frac{33}{31}-\frac{10}{31}$;; $\frac{19}{5}-\frac{13}{5}$;; $\frac{5}{2}+\frac{7}{3}$;; $\frac{8}{4}-\frac{3}{5}$;; $2+\frac{1}{11}$;; $3.6-\frac{5}{2}$;; $1-\frac{3}{13}$

Exercice : 02

Calculer : $\frac{7}{5}\times\frac{3}{4}$;; $\frac{5}{6}\times\frac{1}{6}$;; $9\times\frac{3}{13}$;; $\frac{4}{5}\times 1.8$;; $\frac{3}{8}\times\frac{7}{10}$;; $0\times\frac{31}{76}$;; $\frac{35}{42}\times 1$

Exercice : 03

Compléter le tableau suivant :

Le nombre	$\frac{13}{7}$	$\frac{5}{47}$	26	13.9	1	$\frac{1}{19}$
Son inverse						

Exercice : 04

Calculer : $\frac{7}{8}\div\frac{3}{5}$;; $\frac{3}{7}\div\frac{5}{7}$;; $7\div\frac{5}{9}$;; $\frac{13}{8}\div 2$;; $\frac{\frac{3}{7}}{\frac{5}{11}}$ &;; $\frac{\frac{5}{9}}{6}$;; $\frac{5}{\frac{9}{6}}$;; $1\div\frac{81}{13}$;; $0\div\frac{45}{31}$

Exercice : 05

Compléter : $\frac{13}{75}\times\dots=0$;; $\frac{36}{43}\times\dots=1$;; $\frac{15}{72}-\dots=0$;; $\dots\times 1=\frac{85}{30}$;; $\frac{15}{72}+\frac{5}{3}=\frac{5}{3}+\dots$;; $\frac{17}{55}\times\frac{55}{17}=\dots$

Exercice : 06

Calculer : $\frac{5}{3}+\frac{2}{7}$;; $\frac{5}{3}-\frac{2}{7}$;; $\frac{5}{3}\times\frac{2}{7}$;; $\frac{5}{3}\div\frac{2}{7}$;; $\frac{7}{4}+\frac{3}{4}$;; $\frac{7}{4}-\frac{3}{4}$;; $\frac{7}{4}\times\frac{3}{4}$;; $\frac{7}{4}\div\frac{3}{4}$

Exercice : 07

Calculer astucieusement : $A=\frac{5}{13}+0+2$;; $B=\frac{2}{3}+\frac{5}{3}+\frac{2}{7}$;; $C=\frac{1}{2}+\frac{2}{3}+\frac{3}{5}$;; $D=\frac{9}{8}-\frac{3}{8}+\frac{7}{4}$

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Exercice : 08

Calculer : $E = \frac{27}{37} \times 0 \times \frac{251}{46}$;; $F = \frac{13}{23} \times \frac{3}{2} \times 1$;; $G = \frac{2}{3} \times \frac{3}{4} \times \frac{4}{5}$;; $H = \frac{3}{5} \times \frac{7}{2} \times \frac{1}{4}$

Exercice : 09

Calculer : $I = 5 - 3 \times \frac{1}{2}$;; $J = \left(\frac{5}{3} + \frac{2}{3}\right) \times \frac{5}{7}$;; $K = \frac{\frac{3}{7} + \frac{1}{7}}{\frac{5}{4}}$;; $L = \frac{3}{5} + \frac{7}{2} \div \frac{5}{3}$

Exercice : 10

Calculer : $M = \left(3 - \frac{2}{5}\right)\left(\frac{4}{13} + \frac{11}{13}\right)$;; $N = \frac{15}{7} - 2 \times \frac{3}{7} + 1$;; $O = \frac{7+2}{7-2} \times \frac{5}{2} \div \frac{7}{2}$

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Today better than yesterday, tomorrow better than today