

Exercice 1

Calculer et simplifier si possible

$$A = \frac{5}{9} - \frac{7}{6} \qquad B = -3 - \frac{7}{4} \qquad C = \frac{5}{6} - \frac{-2}{9}$$

$$D = \frac{-21}{15} + \frac{3}{5} \qquad E = \frac{2}{3} + \frac{1}{4} - \frac{5}{9} \qquad F = 2 - \frac{1}{3} + \frac{5}{6}$$

Exercice 2

Calculer et simplifier si possible

$$G = \frac{3}{8} \times \frac{-5}{4} \qquad H = -2 \times \frac{7}{9} \qquad I = \frac{-4}{3} \times \frac{3}{5} \qquad J = \frac{4}{3} \times \left(-\frac{9}{16}\right)$$

$$K = \frac{13}{7} \times \frac{-14}{15} \times \frac{5}{26} \qquad L = \frac{1}{-2} \times \frac{2}{3} \times \frac{-3}{4} \times \frac{6}{-5} \qquad M = -\frac{1}{4} \left(-\frac{2}{3}\right)^2$$

Exercice 3

Calculer et simplifier si possible

$$N = -\frac{7}{4} + \frac{1}{4} \times \left(-\frac{8}{3}\right) \qquad O = \left(\frac{5}{14} - \frac{2}{7}\right) \times \frac{21}{20} \qquad P = \left(\frac{2}{3} - \frac{3}{4}\right) + 3 \left(\frac{4}{5} - \frac{5}{6}\right)$$

$$R = \frac{4}{3} - \frac{1}{3} \times \left(3 + \frac{1}{2}\right) \qquad S = \left(4 - \frac{2}{3}\right) \left(2 - \frac{4}{3}\right) \qquad T = \left(\frac{5}{4} - \frac{2}{3}\right)^2$$

Réponses :

$$A = -\frac{11}{18} \qquad B = -\frac{19}{4} \qquad C = \frac{19}{18} \qquad D = -\frac{4}{5} \qquad E = \frac{13}{36} \qquad F = \frac{5}{2}$$

$$G = -\frac{15}{32} \qquad H = -\frac{14}{9} \qquad I = -\frac{4}{5} \qquad J = -\frac{3}{4} \qquad K = -\frac{1}{3} \qquad L = -\frac{3}{10} \qquad M = -\frac{1}{9}$$

$$N = -\frac{29}{12} \qquad O = \frac{3}{40} \qquad P = -\frac{11}{60} \qquad R = \frac{1}{6} \qquad S = \frac{20}{9} \qquad T = \frac{49}{144}$$