

Contrôle n° : 1-Ensemble et Operationsexercice n° : 1

Calculer et simplifier :

$$B = \left(\frac{-2}{3}\right)^2 - \frac{5}{21} \times \frac{14}{15}$$

$$D = (-3 + \frac{1}{5}) \times \frac{2}{3 + \frac{1}{5}} \times \frac{3}{7}$$

$$F = \frac{\left(7 + \frac{3}{2}\right) \times \frac{1}{5}}{\left(7 - \frac{1}{5}\right) \times \frac{1}{2}}$$

$$A = \left((-4 + 19) \times \frac{2}{35}\right) \div \frac{45}{21}$$

$$C = \frac{2 + \frac{3}{4}}{5} \times \frac{40}{33} - \frac{7}{21}$$

$$E = \frac{2 + \frac{3}{4} - \frac{1}{3}}{3 + \frac{3}{2} - \frac{1}{6}}$$

exercice n° : 2

Calculer et simplifier :

$$B = \frac{3 + \frac{2}{5}}{7 - \frac{3}{5}} + \frac{47}{32}$$

$$A = \frac{110 + 35}{110 - 35} - 2$$

$$E = \frac{11^2 + 7}{11^2 - 7} - 2$$

$$C = \frac{\frac{5}{6} + \frac{2}{3}}{\frac{7}{2} - \frac{1}{6}} - \left(\frac{3}{2\sqrt{10}}\right)^2$$

$$G = \frac{\frac{3}{4} \times \frac{1}{2} - \frac{5}{3}}{\left(\frac{3}{2}\right)^3 + \frac{1}{6}} + \frac{32}{85}$$

$$F = \frac{2 + \left(\frac{2}{5}\right)^2}{2 - \left(\frac{3}{5}\right)^2} - \frac{54}{41}$$