

Calculer en détaillant les étapes et donner le résultat sous forme irréductible.

Exercice 1 : Calculer en respectant les priorités.

$$A = \frac{1}{2} + \frac{2}{3} \times \frac{3}{4}$$

$$B = \frac{5}{6} - \frac{1}{3} \times \frac{3}{5}$$

$$C = \frac{3}{4} + \frac{1}{2} \div \frac{2}{3}$$

$$D = \frac{7}{6} - \frac{2}{3} \div \frac{4}{5}$$

$$E = \frac{2}{5} \times \frac{5}{3} + \frac{1}{6}$$

Exercice 2 : Calculer.

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

$$B = \left(\frac{5}{6} - \frac{1}{2} \right) \div \frac{2}{3}$$

$$C = \frac{3}{4} \times \left(\frac{2}{3} + \frac{1}{6} \right)$$

$$D = \frac{5}{7} \div \left(\frac{3}{4} - \frac{1}{4} \right)$$

$$E = \left(\frac{2}{3} + \frac{5}{6} \right) \times \frac{4}{9}$$

Exercice 3 : Calculer.

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

$$B = \frac{5}{6} + \frac{2}{3} \div \frac{4}{5} - \frac{1}{4}$$

$$C = \frac{7}{5} - \frac{3}{4} \times \frac{2}{3} - \frac{1}{10}$$

$$D = \frac{1}{2} + \frac{3}{5} \times \frac{5}{6} \div \frac{3}{4}$$

Exercice 4 : Calculer.

$$A = \left(\frac{3}{4} - \frac{1}{6} \right) \times \left(\frac{2}{5} + \frac{1}{5} \right)$$

$$B = \left(\frac{5}{6} + \frac{1}{3} \right) \div \left(\frac{3}{4} - \frac{1}{4} \right)$$

$$C = \frac{2}{3} - \left(\frac{3}{5} - \frac{1}{4} \right) \times \frac{4}{7}$$

$$D = \frac{5}{4} - \frac{2}{3} \div \left(\frac{7}{6} - \frac{1}{2} \right)$$

Exercice 5 : Calculer.

$$A = \frac{3}{2} - \left[\frac{5}{6} - \left(\frac{1}{2} + \frac{1}{6} \right) \right]$$

$$B = \left[\frac{3}{4} + \left(\frac{2}{3} - \frac{1}{6} \right) \right] \times \frac{4}{5}$$

$$C = \frac{5}{3} - \left[\frac{1}{2} + \frac{3}{4} \times \left(\frac{2}{3} - \frac{1}{3} \right) \right]$$

$$D = \left[\frac{7}{6} - \left(\frac{3}{4} - \frac{1}{4} \right) \right] \div \frac{2}{3}$$