

Écritures fractionnaires

Exercice 1. Addition

Calculer :

$$a = \frac{5}{4} + \frac{4}{5}$$

$$b = 2 + \frac{3}{4}$$

$$c = \frac{4}{3} - \frac{1}{6}$$

$$d = \frac{1}{10} - \frac{9}{100}$$

$$e = \frac{5}{12} + \frac{3}{8}$$

$$f = -\frac{1}{9} + \frac{5}{12}$$

$$g = \frac{2}{7} - \frac{3}{8}$$

$$h = \frac{1}{20} - \frac{4}{15}$$

$$i = \frac{2}{35} - \frac{3}{7}$$

Exercice 2. Multiplication

Calculer :

$$a = \frac{4}{3} \times \frac{2}{5}$$

$$b = \frac{6}{5} \times \frac{30}{7}$$

$$c = \frac{5}{4} \times \frac{8}{15}$$

$$d = 8 \times \frac{5}{6}$$

$$e = \frac{14}{15} \times \frac{20}{21}$$

$$f = 3 \times \left(-\frac{7}{9}\right)$$

Exercice 3. Division

Calculer :

$$a = \frac{4}{\frac{3}{2}}$$

$$b = \frac{1}{\frac{2}{7}}$$

$$c = \frac{4}{\frac{3}{2}}$$

$$d = \frac{\frac{2}{5}}{\frac{1}{3}}$$

$$e = -\frac{\frac{5}{2}}{\frac{10}{3}}$$

Exercice 4 . Pêle-mêle

Calculer :

$$a = 2 + 3 \times \frac{4}{5}$$

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

$$c = \frac{3}{2 + \frac{1}{4}}$$

$$d = \frac{3}{2} + \frac{3}{\frac{1}{4}}$$

$$e = \frac{2 + \frac{1}{3}}{2 - \frac{1}{3}}$$

$$f = \frac{12}{7} \times \frac{14}{9} \times \frac{15}{8}$$

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

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