

FRACTIONS : enchaînement d'opérations

Correction

1) Calcule :

$$A = \frac{5}{2} - \frac{1}{3} + \frac{5}{6}$$

$$B = \frac{3}{4} \times \frac{5}{6} - \frac{7}{16}$$

$$C = \frac{5}{9} + \frac{8}{9} \times \frac{3}{7}$$

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

$$B = \frac{3 \times 5}{4 \times 3 \times 2} - \frac{7}{16}$$

$$C = \frac{5}{9} + \frac{8 \times 3}{9 \times 7}$$

$$A = \frac{15}{6} - \frac{2}{6} + \frac{5}{6}$$

$$B = \frac{5}{8} - \frac{7}{16}$$

$$C = \frac{5 \times 7}{9 \times 7} + \frac{8 \times 3}{9 \times 7}$$

$$A = \frac{18}{6}$$

$$B = \frac{10}{16} - \frac{7}{16}$$

$$C = \frac{35}{63} + \frac{24}{63}$$

$$A = 3$$

$$B = \frac{3}{16}$$

$$C = \frac{59}{63}$$

2) Calcule :

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

$$B = \frac{5}{3} \div \left(\frac{5}{2} + \frac{5}{3}\right)$$

$$C = 15 \div \frac{9}{8} \times \frac{13}{10}$$

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

$$B = \frac{5}{3} \div \left(\frac{5 \times 3}{2 \times 3} + \frac{5 \times 2}{3 \times 2}\right)$$

$$C = 15 \times \frac{8}{9} \times \frac{13}{10}$$

$$A = \left(\frac{9}{6} - \frac{8}{6}\right) \times \frac{-2}{5}$$

$$B = \frac{5}{3} \div \left(\frac{15}{6} - \frac{10}{6}\right)$$

$$C = \frac{5 \times 3 \times 4 \times 2 \times 13}{3 \times 3 \times 5 \times 2}$$

$$A = \frac{1}{6} \times \frac{-2}{5}$$

$$B = \frac{5}{3} \div \frac{5}{6}$$

$$C = \frac{4 \times 13}{3}$$

$$A = \frac{-2}{30} = -\frac{1}{15}$$

$$B = \frac{5}{3} \times \frac{6}{5} = \frac{6}{3} = 2$$

$$C = \frac{52}{3}$$

3) Calcule :

$$A = \frac{-2}{5} + \frac{1}{7} \times \frac{5}{-3}$$

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

$$C = \left(\frac{-1}{3} + \frac{1}{2}\right) \div \left(2 - \frac{1}{3}\right)$$

$$A = \frac{-2}{5} - \frac{1 \times 5}{7 \times 3}$$

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

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

$$A = \frac{-2 \times 21}{5 \times 21} - \frac{5 \times 5}{21 \times 5}$$

$$B = \left(\frac{-8}{20} + \frac{15}{20}\right) \times 2$$

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

$$A = \frac{-42}{105} - \frac{25}{105}$$

$$B = \frac{7}{20} \times 2$$

$$C = \frac{1}{6} \times \frac{3}{5}$$

$$A = \frac{-67}{105}$$

$$B = \frac{7}{10}$$

$$C = \frac{3}{30} = \frac{1}{10}$$