

1 Réduis au même dénominateur, calcule puis simplifie lorsque c'est possible.

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

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

$$A = \frac{5}{6} + \frac{3}{6}$$

$$A = \frac{8}{6} = \frac{4}{3}$$

$$E = \frac{5}{9} - \frac{2}{3}$$

$$E = \frac{5}{9} - \frac{2 \times 3}{3 \times 3}$$

$$E = \frac{-1}{9}$$

$$B = \frac{3}{5} + \frac{7}{10}$$

$$B = \frac{3 \times 2}{5 \times 2} + \frac{7}{10}$$

$$B = \frac{6}{10} + \frac{7}{10}$$

$$B = \frac{13}{10}$$

$$F = \frac{7}{6} - \frac{13}{30}$$

$$F = \frac{7 \times 5}{6 \times 5} - \frac{13}{30}$$

$$F = \frac{22}{30} = \frac{11}{15}$$

$$C = \frac{8}{3} + 1$$

$$C = \frac{8}{3} + \frac{1 \times 3}{1 \times 3}$$

$$C = \frac{8}{3} + \frac{3}{3}$$

$$C = \frac{11}{3}$$

$$G = 2 - \frac{4}{7}$$

$$G = \frac{2 \times 7}{1 \times 7} - \frac{4}{7}$$

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

$$D = 4 + \frac{3}{4}$$

$$D = \frac{4 \times 4}{1 \times 4} + \frac{3}{4}$$

$$D = \frac{16}{4} + \frac{3}{4}$$

$$D = \frac{19}{4}$$

$$H = \frac{8}{9} - 5$$

$$H = \frac{8}{9} - \frac{5 \times 9}{1 \times 9}$$

$$H = \frac{-37}{9}$$

2 Même énoncé qu'à l'exercice 1.

$$J = \frac{5}{2} + \frac{8}{3}$$

$$J = \frac{5 \times 3}{2 \times 3} + \frac{8 \times 2}{3 \times 2}$$

$$J = \frac{31}{6}$$

$$N = \frac{2}{3} - \frac{1}{4}$$

$$N = \frac{2 \times 4}{3 \times 4} - \frac{1 \times 3}{4 \times 3}$$

$$N = \frac{5}{12}$$

$$K = \frac{4}{7} + \frac{1}{6}$$

$$K = \frac{4 \times 6}{7 \times 6} + \frac{1 \times 7}{6 \times 7}$$

$$K = \frac{31}{42}$$

$$P = \frac{3}{7} - \frac{7}{8}$$

$$P = \frac{3 \times 8}{7 \times 8} - \frac{7 \times 7}{8 \times 7}$$

$$P = \frac{-25}{56}$$

$$L = \frac{7}{4} + \frac{3}{5}$$

$$L = \frac{7 \times 5}{4 \times 5} + \frac{3 \times 4}{5 \times 4}$$

$$L = \frac{47}{20}$$

$$R = \frac{8}{9} - \frac{1}{2}$$

$$R = \frac{8 \times 2}{9 \times 2} - \frac{1 \times 9}{2 \times 9}$$

$$R = \frac{7}{18}$$

$$M = \frac{6}{5} + \frac{5}{6}$$

$$M = \frac{6 \times 6}{5 \times 6} + \frac{5 \times 5}{6 \times 5}$$

$$M = \frac{61}{30}$$

$$S = \frac{11}{10} - \frac{4}{3}$$

$$S = \frac{11 \times 3}{10 \times 3} - \frac{4 \times 10}{3 \times 10}$$

$$S = \frac{-7}{30}$$

3 Même énoncé qu'à l'exercice 1.

$$T = \frac{1}{7} + \frac{1}{5} + \frac{1}{35}$$

$$T = \frac{1 \times 5}{7 \times 5} + \frac{1 \times 7}{5 \times 7} + \frac{1}{35}$$

$$T = \frac{13}{35}$$

$$W = \frac{2}{3} - \frac{5}{4} - \frac{11}{12}$$

$$W = \frac{2 \times 4}{3 \times 4} - \frac{5 \times 3}{4 \times 3} - \frac{11}{12}$$

$$W = \frac{-18}{12} = \frac{-3}{2}$$

$$U = \frac{3}{4} + \frac{2}{5} + \frac{7}{20}$$

$$U = \frac{3 \times 5}{4 \times 5} + \frac{2 \times 4}{5 \times 4} + \frac{7}{20}$$

$$U = \frac{30}{20} = \frac{3}{2}$$

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

$$Y = \frac{1 \times 3}{2 \times 3} + \frac{4 \times 2}{3 \times 2} - \frac{5}{6}$$

$$Y = \frac{6}{6} = 1$$

$$V = 3 + \frac{5}{2} + \frac{3}{4}$$

$$V = \frac{3 \times 4}{1 \times 4} + \frac{5 \times 2}{2 \times 2} + \frac{3}{4}$$

$$V = \frac{25}{4}$$

$$Z = 2 - \frac{6}{7} + \frac{3}{2}$$

$$Z = \frac{2 \times 14}{1 \times 14} - \frac{6 \times 2}{7 \times 2} + \frac{3 \times 7}{2 \times 7}$$

$$Z = \frac{37}{14}$$

