

1 Réduis au même dénominateur puis calcule.

$$A = \frac{7}{6} + \frac{2}{3}$$

$$A = \frac{7}{6} + \frac{2 \times 2}{3 \times 2}$$

$$A = \frac{7}{6} + \frac{4}{6}$$

$$A = \frac{11}{6}$$

$$B = \frac{4}{5} + \frac{2}{15}$$

$$B = \frac{4 \times 3}{5 \times 3} + \frac{2}{15}$$

$$B = \frac{12}{15} + \frac{2}{15}$$

$$B = \frac{14}{15}$$

$$C = \frac{7}{5} + 1$$

$$C = \frac{7}{5} + \frac{1 \times 5}{1 \times 5}$$

$$C = \frac{7}{5} + \frac{5}{5}$$

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

$$D = 5 + \frac{3}{2}$$

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

$$D = \frac{10}{2} + \frac{3}{2}$$

$$D = \frac{13}{2}$$

$$E = \frac{8}{9} - \frac{1}{3}$$

$$E = \frac{8}{9} - \frac{1 \times 3}{3 \times 3}$$

$$E = \frac{8}{9} - \frac{3}{9}$$

$$E = \frac{5}{9}$$

$$F = 3 - \frac{5}{7}$$

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

$$F = \frac{21}{7} - \frac{5}{7}$$

$$F = \frac{16}{7}$$

$$G = \frac{13}{12} - \frac{19}{48}$$

$$G = \frac{13 \times 4}{12 \times 4} - \frac{19}{48}$$

$$G = \frac{52}{48} - \frac{19}{48}$$

$$G = \frac{33}{48} = \frac{11}{16}$$

$$H = \frac{17}{13} - \frac{11}{65}$$

$$H = \frac{17 \times 5}{13 \times 5} - \frac{11}{65}$$

$$H = \frac{85}{65} - \frac{11}{65}$$

$$H = \frac{74}{65}$$

2 Simplifie une des deux fractions avant d'effectuer le calcul.

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

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

$$A = \frac{2}{3} + \frac{5}{3}$$

$$A = \frac{7}{3}$$

$$B = \frac{40}{72} - \frac{1}{9}$$

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

$$B = \frac{5}{9} - \frac{1}{9}$$

$$B = \frac{4}{9}$$

$$C = \frac{15}{35} + \frac{2}{7}$$

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

$$C = \frac{3}{7} + \frac{2}{7}$$

$$C = \frac{5}{7}$$

$$D = \frac{5}{3} - \frac{52}{39}$$

$$D = \frac{5}{3} - \frac{4 \times 13}{3 \times 13}$$

$$D = \frac{5}{3} - \frac{4}{3}$$

$$D = \frac{1}{3}$$

3 Effectue les calculs suivants en utilisant la méthode de ton choix.

$$A = \frac{13}{8} + \frac{5}{2} + \frac{3}{4}$$

$$A = \frac{13}{8} + \frac{5 \times 2}{2 \times 4} + \frac{3 \times 2}{4 \times 2}$$

$$A = \frac{13}{8} + \frac{20}{8} + \frac{6}{8} = \frac{39}{8}$$

$$B = \frac{5}{12} + \frac{11}{24} + \frac{1}{6}$$

$$B = \frac{5 \times 2}{12 \times 2} + \frac{11}{24} + \frac{1 \times 4}{6 \times 4}$$

$$B = \frac{10}{24} + \frac{11}{24} + \frac{4}{24} = \frac{25}{24}$$

$$C = 2 + \frac{3}{7} + \frac{11}{14}$$

$$C = \frac{2 \times 14}{1 \times 14} + \frac{3 \times 2}{7 \times 2} + \frac{11}{14}$$

$$C = \frac{28}{14} + \frac{6}{14} + \frac{11}{14} = \frac{45}{14}$$

$$D = \frac{3}{5} - \frac{4}{15} - \frac{7}{30}$$

$$D = \frac{3 \times 6}{5 \times 6} - \frac{4 \times 2}{15 \times 2} - \frac{7}{30}$$

$$D = \frac{18}{30} - \frac{8}{30} - \frac{7}{30} = \frac{3}{30} = \frac{1}{10}$$

$$E = \frac{14}{9} + \frac{2}{3} - \frac{5}{18}$$

$$E = \frac{14 \times 2}{9 \times 2} + \frac{2 \times 6}{3 \times 6} - \frac{5}{18}$$

$$E = \frac{28}{18} + \frac{12}{18} - \frac{5}{18} = \frac{35}{18}$$

$$F = 1 - \frac{9}{34} + \frac{3}{2}$$

$$F = \frac{1 \times 34}{1 \times 34} - \frac{9}{34} + \frac{3 \times 17}{2 \times 17}$$

$$F = \frac{34}{34} - \frac{9}{34} + \frac{51}{34} = \frac{76}{34} = \frac{38}{17}$$