

6 Calcule puis donne le résultat sous la forme d'une fraction simplifiée.

$$A = -\frac{9}{5} + \frac{7}{5}$$

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

$$B = \frac{-2,62}{27} + \frac{-14,5}{27}$$

$$B = \frac{-17,12}{27}$$

$$C = \frac{12}{25} - \frac{-17}{25} + \frac{-133}{25}$$

$$C = \frac{12 + 17 - 133}{25} = \frac{-104}{25}$$

$$D = 4,5 - \frac{7}{8}$$

$$D = \frac{4,5 \times 8}{1 \times 8} - \frac{7}{8}$$

$$D = \frac{36}{8} - \frac{7}{8} = \frac{29}{8}$$

$$E = -5 + \frac{6}{-5}$$

$$E = \frac{-5 \times 5}{1 \times 5} - \frac{6}{5}$$

$$E = \frac{-25}{5} - \frac{6}{5} = \frac{-31}{5}$$

$$F = -\frac{5}{21} - \frac{7}{3}$$

$$F = -\frac{5}{21} - \frac{7 \times 7}{3 \times 7}$$

$$F = -\frac{5}{21} - \frac{49}{21} = -\frac{54}{21} = -\frac{18}{7}$$

$$G = -\frac{2}{7} + \frac{3}{14}$$

$$G = \frac{-2 \times 2}{7 \times 2} + \frac{3}{14}$$

$$G = -\frac{4}{14} + \frac{3}{14} = -\frac{1}{14}$$

7 Effectue les calculs puis simplifie lorsque cela est possible.

$$A = \frac{5}{4} - \frac{3}{16}$$

$$A = \frac{5 \times 4}{4 \times 4} - \frac{3}{16}$$

$$A = \frac{20}{16} - \frac{3}{16}$$

$$A = \frac{17}{16}$$

$$B = \frac{9}{10} + \frac{-5}{2}$$

$$B = \frac{9}{10} - \frac{5 \times 5}{2 \times 5}$$

$$B = \frac{9}{10} - \frac{25}{10}$$

$$B = \frac{-16}{10} = \frac{-8}{5}$$

$$C = 1 - \frac{17}{15}$$

$$C = \frac{1 \times 15}{15} - \frac{17}{15}$$

$$C = \frac{15}{15} - \frac{17}{15}$$

$$C = \frac{-2}{15}$$

$$D = 3 + \frac{-7}{5} - \frac{17}{20}$$

$$D = \frac{3 \times 20}{20} - \frac{7 \times 4}{5 \times 4} - \frac{17}{20}$$

$$D = \frac{60}{20} - \frac{28}{20} - \frac{17}{20}$$

$$D = \frac{15}{20} = \frac{3}{4}$$

$$E = \frac{-1,3}{-8} + \frac{23}{-1,6}$$

$$E = \frac{1,3 \times 2}{8 \times 2} - \frac{23 \times 10}{1,6 \times 10}$$

$$E = \frac{2,6}{16} - \frac{230}{16}$$

$$E = \frac{-227,4}{16}$$

$$F = -4 + \frac{16}{3} - \frac{-11}{12}$$

$$F = \frac{-4 \times 12}{12} + \frac{16 \times 4}{3 \times 4} + \frac{11}{12}$$

$$F = \frac{-48}{12} + \frac{64}{12} + \frac{11}{12}$$

$$F = \frac{27}{12} = \frac{9}{4}$$

Série 3

Additionner deux nombres en écriture fractionnaire

8 Effectue les calculs puis simplifie lorsque cela est possible.

$$G = \frac{7}{8} - \frac{-5}{3}$$

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

$$G = \frac{21}{24} + \frac{40}{24}$$

$$G = \frac{61}{24}$$

$$K = \frac{1}{-8} + \frac{5}{4} + \frac{-7}{6}$$

$$K = -\frac{1 \times 3}{8 \times 3} + \frac{5 \times 6}{4 \times 6} - \frac{7 \times 4}{6 \times 4}$$

$$K = -\frac{3}{24} + \frac{30}{24} - \frac{28}{24}$$

$$K = \frac{-1}{24}$$

$$N = \frac{-3}{10} + \frac{-9}{8} + \frac{7}{5} + \frac{3}{2}$$

$$N = \frac{-3 \times 4}{10 \times 4} - \frac{9 \times 5}{8 \times 5} + \frac{7 \times 8}{5 \times 8} + \frac{3 \times 20}{2 \times 20}$$

$$N = \frac{-12}{40} - \frac{45}{40} + \frac{56}{40} + \frac{60}{40}$$

$$N = \frac{59}{40}$$

$$H = \frac{-8}{15} + \frac{-7}{6}$$

$$H = \frac{-8 \times 2}{15 \times 2} - \frac{7 \times 5}{6 \times 5}$$

$$H = \frac{-16}{30} - \frac{35}{30}$$

$$H = \frac{-51}{30} = \frac{-17}{10}$$

$$L = 1 + \frac{-15}{7} + \frac{-3}{-5}$$

$$L = \frac{1 \times 35}{35} - \frac{15 \times 5}{7 \times 5} + \frac{3 \times 7}{5 \times 7}$$

$$L = \frac{35}{35} - \frac{75}{35} + \frac{21}{35}$$

$$L = \frac{-19}{35}$$

$$P = -11 + \frac{1}{11} + \frac{1}{6} - 6$$

$$P = \frac{-11 \times 66}{1 \times 66} + \frac{1 \times 6}{11 \times 6} + \frac{1 \times 11}{6 \times 11} - \frac{6 \times 66}{1 \times 66}$$

$$P = -\frac{726}{66} + \frac{6}{66} + \frac{11}{66} - \frac{396}{66}$$

$$P = \frac{-1105}{66}$$

$$J = \frac{5}{6} - \frac{5}{8} - \frac{5}{24}$$

$$J = \frac{5 \times 4}{6 \times 4} - \frac{5 \times 3}{8 \times 3} - \frac{5}{24}$$

$$J = \frac{20}{24} - \frac{15}{24} - \frac{5}{24}$$

$$J = 0$$

$$M = -2 + \frac{5}{6} - \frac{23}{10} - \frac{3}{-5}$$

$$M = \frac{-2 \times 30}{30} + \frac{5 \times 5}{6 \times 5} - \frac{23 \times 3}{10 \times 3} + \frac{3 \times 6}{5 \times 6}$$

$$M = \frac{-60}{30} + \frac{25}{30} - \frac{69}{30} + \frac{18}{30}$$

$$M = \frac{-86}{30} = \frac{-43}{15}$$

$$R = \frac{2}{3} - \frac{-7}{4} - \frac{1}{5}$$

$$R = \frac{2 \times 20}{3 \times 20} + \frac{7 \times 15}{4 \times 15} - \frac{1 \times 12}{5 \times 12}$$

$$R = \frac{40}{60} + \frac{105}{60} - \frac{12}{60} = \frac{133}{60}$$

9 Effectue les calculs puis simplifie lorsque cela est possible.

$$S = -\frac{4}{15} + \left(2 + \frac{7}{-30}\right)$$

$$S = -\frac{4 \times 2}{15 \times 2} + \left(\frac{2 \times 30}{30} - \frac{7}{30}\right)$$

$$S = -\frac{8}{30} + \left(\frac{60}{30} - \frac{7}{30}\right)$$

$$S = \frac{45}{30}$$

$$S = \frac{3 \times 15}{2 \times 15}$$

$$S = \frac{3}{2}$$

$$T = 3 + \left(\frac{5}{7} - \frac{9}{14}\right)$$

$$T = \frac{3 \times 14}{14} + \left(\frac{5 \times 2}{7 \times 2} - \frac{9}{14}\right)$$

$$T = \frac{42}{14} + \left(\frac{10}{14} - \frac{9}{14}\right)$$

$$T = \frac{43}{14}$$