

Corrigés Savoir N. 5

Corrigé Exercice 20

$$A = \frac{3}{4} \times \frac{7}{5}$$

$$B = \frac{10}{7} \times 3$$

$$C = \frac{3}{4} \div \frac{6}{7}$$

$$D = \frac{2}{5} \div 7$$

$$I = \frac{\frac{3}{2}}{\frac{4}{5}}$$

$$K = \frac{\frac{4}{7}}{5}$$

$$A = \frac{21}{20}$$

$$B = \frac{30}{7}$$

$$C = \frac{3}{4} \times \frac{7}{6}$$

$$D = \frac{2}{5} \times \frac{1}{7}$$

$$I = \frac{3}{2} \div \frac{4}{5}$$

$$K = \frac{4}{7} \div 5$$

$$C = \frac{21}{24} = \frac{7}{8}$$

$$D = \frac{2}{35}$$

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

$$K = \frac{4}{7} \times \frac{1}{5}$$

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

$$F = \frac{28}{15} \div \frac{4}{3}$$

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

$$H = 6 \div \frac{4}{9}$$

$$I = \frac{15}{8}$$

$$K = \frac{4}{35}$$

$$E = \frac{15}{4}$$

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

$$G = \frac{15}{8}$$

$$H = 6 \times \frac{9}{4}$$

$$H = \frac{54}{4} = \frac{27}{2}$$

Corrigé Exercice 21

$$A = \left(\frac{2}{5}\right)^2 = \frac{2^2}{5^2}$$

$$B = \left(-\frac{1}{3}\right)^2$$

$$C = \left(\frac{3}{2}\right)^4 = \frac{3^4}{2^4}$$

$$D = \frac{3^4}{2} = \frac{81}{2}$$

$$E = \left(-\frac{5}{3}\right)^3$$

$$F = \left(\frac{-2}{7}\right)^3$$

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

$$B = +\frac{1^2}{3^2} = \frac{1}{9}$$

$$C = \frac{81}{16}$$

$$E = -\frac{5^3}{3^3}$$

$$F = \frac{(-2)^3}{7^3}$$

$$E = -\frac{125}{27}$$

$$F = \frac{8}{343}$$

Corrigé Exercice 22

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

$$B = \frac{42}{7} - 6$$

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

$$D = \frac{5}{2} + \frac{7}{6}$$

$$E = \frac{9}{6} - \frac{7}{6}$$

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

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

$$B = \frac{42}{7} - \frac{6 \times 7}{1 \times 7}$$

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

$$D = \frac{30}{12} + \frac{14}{12}$$

$$E = \frac{2}{6}$$

$$F = \frac{9}{45} - \frac{5}{45}$$

$$A = \frac{15}{20} + \frac{28}{20}$$

$$B = \frac{42}{7} - \frac{42}{7}$$

$$C = \frac{25}{5} + \frac{6}{5}$$

$$D = \frac{44}{12}$$

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

$$F = \frac{4}{45}$$

$$A = \frac{43}{20}$$

$$B = 0$$

$$C = \frac{31}{5}$$

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

$$G = \frac{2}{3} - \frac{6}{5}$$

$$H = 2 - \frac{7}{6}$$

$$I = -\frac{5}{4} + \frac{5}{3}$$

$$J = \frac{6}{11} - 3$$

$$K = \frac{3}{2} + \frac{7}{5} - \frac{41}{20}$$

$$G = \frac{10}{15} - \frac{18}{15}$$

$$H = \frac{12}{6} - \frac{7}{6}$$

$$I = -\frac{15}{12} + \frac{20}{12}$$

$$J = \frac{6}{11} - \frac{33}{11}$$

$$K = \frac{30}{20} + \frac{28}{20} - \frac{41}{20}$$

$$G = -\frac{8}{15}$$

$$H = \frac{5}{6}$$

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

$$J = -\frac{27}{11}$$

$$K = \frac{17}{20}$$

Corrigé Exercice 23

$$K = \frac{5}{11} \times \frac{2}{7}$$

$$L = \frac{5}{4} + \frac{1}{4}$$

$$M = \frac{2}{5} \div \frac{9}{14}$$

$$N = 5 - \frac{3}{12}$$

$$T = \frac{\frac{56}{11}}{\frac{1}{33}} = \frac{56}{11} \div \frac{1}{33}$$

$$K = \frac{10}{77}$$

$$L = \frac{6}{4}$$

$$M = \frac{2}{5} \times \frac{14}{9}$$

$$N = \frac{60}{12} - \frac{3}{12}$$

$$T = \frac{56}{11} \times 33$$

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

$$M = \frac{28}{45}$$

$$N = \frac{57}{12} = \frac{19}{4}$$

$$T = 56 \times 3 = \mathbf{168}$$

$$P = \frac{6}{5} \times 7$$

$$Q = \frac{12}{3} - \frac{2}{7}$$

$$R = \frac{27}{-7} \div 6$$

$$S = \frac{5}{4} + \frac{3}{10}$$

$$U = \frac{\frac{15}{31}}{\frac{3}{2}} = \frac{15}{31} \div \frac{3}{2}$$

$$P = \frac{42}{5}$$

$$Q = \frac{84}{21} - \frac{6}{21}$$

$$R = -\frac{27}{7} \times \frac{1}{6}$$

$$S = \frac{50}{40} + \frac{12}{40}$$

$$U = \frac{15}{31} \times \frac{2}{3}$$

$$Q = \frac{78}{21} = \frac{26}{7}$$

$$R = -\frac{27}{42} = -\frac{9}{14}$$

$$S = \frac{62}{40} = \frac{31}{20}$$

$$U = \frac{30}{93} = \frac{10}{31}$$

Corrigé Exercice 24

$$I = \left(\frac{2}{3} - \frac{3}{2} \right) \times \left(1 + \frac{7}{6} \right)$$

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

$$K = \frac{4}{7} + \frac{2}{7} \times \frac{14}{18}$$

$$L = \frac{\frac{4}{5}}{\frac{9}{10}} - \frac{7}{4} = \frac{4}{5} \times \frac{10}{9} - \frac{7}{4}$$

$$I = \left(\frac{4}{6} - \frac{9}{6} \right) \times \left(\frac{6}{6} + \frac{7}{6} \right)$$

$$J = \frac{12}{35} + \frac{4}{5} \times \frac{7}{3}$$

$$K = \frac{4}{7} + \frac{2}{7} \times \frac{2 \times 7}{2 \times 9}$$

$$I = \left(-\frac{5}{6} \right) \times \frac{13}{6}$$

$$J = \frac{12}{35} + \frac{28}{15}$$

$$K = \frac{4}{7} + \frac{2}{9}$$

$$L = \frac{40}{45} - \frac{7}{4}$$

$$I = -\frac{65}{36}$$

$$J = \frac{180}{525} + \frac{980}{525}$$

$$K = \frac{36}{63} + \frac{14}{63}$$

$$L = \frac{8}{9} - \frac{7}{4}$$

$$J = \frac{1160}{525} = \frac{232}{105}$$

$$K = \frac{50}{63}$$

$$L = \frac{32}{36} - \frac{63}{36} = -\frac{31}{36}$$

$$A = \frac{2}{5} - \frac{6}{5} \times \frac{4}{3}$$

$$B = \frac{7}{2} - \frac{5}{4} \div \frac{15}{7}$$

$$C = 2 \times \frac{7}{6} - \frac{20}{18}$$

$$D = \frac{\frac{3}{4} - \frac{4}{5}}{\frac{3}{2}} = \frac{\frac{15}{20} - \frac{16}{20}}{\frac{3}{2}}$$

$$A = \frac{2}{5} - \frac{24}{15}$$

$$B = \frac{7}{2} - \frac{5}{4} \times \frac{7}{15}$$

$$C = \frac{14}{6} - \frac{20}{18}$$

$$A = \frac{6}{15} - \frac{24}{15}$$

$$B = \frac{7}{2} - \frac{35}{60}$$

$$C = \frac{42}{18} - \frac{20}{18}$$

$$D = -\frac{1}{20} \div \frac{3}{2}$$

$$A = -\frac{18}{15} = -\frac{6}{5}$$

$$B = \frac{210}{60} - \frac{35}{60} = \frac{175}{60} = \frac{35}{12}$$

$$C = \frac{22}{18} = \frac{11}{9}$$

$$D = -\frac{1}{20} \times \frac{2}{3} = -\frac{2}{60} = -\frac{1}{30}$$