

Fractions

exercice n° 2 p 18

$$A = \frac{2}{3} + \frac{1}{8}$$

$$A = \frac{2 \times 8}{3 \times 8} + \frac{1 \times 3}{3 \times 8}$$

$$A = \frac{16}{24} + \frac{3}{24}$$

$$A = \frac{16 + 3}{24}$$

$$A = \frac{19}{24}$$

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

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

$$B = \frac{-8}{20} + \frac{15}{20}$$

$$B = \frac{-8 + 15}{20}$$

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

$$C = -\frac{5}{7} - \frac{3}{2}$$

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

$$C = -\frac{10}{14} - \frac{21}{14}$$

$$C = \frac{-10 - 21}{14}$$

$$C = \frac{-31}{14}$$

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

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

$$D = \frac{20}{35} - \frac{28}{35}$$

$$D = \frac{20 - 28}{35}$$

$$D = \frac{-8}{35}$$

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

$$E = \frac{3}{1} - \frac{5}{7}$$

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

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

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

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

$$F = -2 - \frac{3}{4}$$

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

$$F = -\frac{8}{4} - \frac{3}{4}$$

$$F = \frac{-8 - 3}{4}$$

$$F = \frac{-11}{4}$$

exercice n° 3 p 18

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

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

$$A = \frac{35}{12}$$

$$B = 12 \times \frac{2}{5}$$

$$B = \frac{12}{1} \times \frac{2}{5}$$

$$B = \frac{12 \times 2}{1 \times 5}$$

$$B = \frac{24}{5}$$

$$C = \frac{-9}{2} \times \frac{5}{-7}$$

$$C = \frac{-9 \times 5}{2 \times (-7)}$$

$$C = \frac{-45}{-14}$$

$$C = \frac{45}{14}$$

$$D = -\frac{6}{7} \times \frac{-5}{-3}$$

$$D = \frac{-6 \times (-5)}{7 \times (-3)}$$

$$D = \frac{2 \times 3 \times 5}{7 \times 3}$$

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

$$E = 6 \times \frac{4}{12}$$

$$E = \frac{6}{1} \times \frac{4}{12}$$

$$E = \frac{6 \times 4}{1 \times 12}$$

$$E = \frac{3 \times 2 \times 4}{1 \times 3 \times 4}$$

$$E = \frac{2}{1}$$

$$E = 2$$

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

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

$$F = \frac{-1}{21}$$

exercice n° 5 p 18

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

$$A = \frac{3}{\frac{4}{7} \cdot 1}$$

$$A = \frac{3}{4} \times \frac{1}{7}$$

$$A = \frac{3}{28}$$

$$B = \frac{\frac{5}{3}}{\frac{7}{4}}$$

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

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

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

$$C = \frac{-4}{\frac{7}{8}}$$

$$C = -4 \times \frac{8}{7}$$

$$C = \frac{-4}{1} \times \frac{8}{7}$$

$$C = \frac{-4 \times 8}{1 \times 7}$$

$$C = \frac{-32}{7}$$

exercice n° 6 p 18

$$A = \frac{2}{7} \times \frac{3}{4}$$

$$A = \frac{2 \times 3}{7 \times 4}$$

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

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

$$A = \frac{3}{14}$$

$$B = \frac{-3}{12} \times \frac{1}{7}$$

$$B = \frac{-3 \times 1}{12 \times 7}$$

$$B = \frac{-3 \times 1}{4 \times 3 \times 7}$$

$$B = \frac{-1}{4 \times 7}$$

$$B = \frac{-1}{28}$$

$$C = \frac{25}{7} \times \frac{7}{15}$$

$$C = \frac{25 \times 7}{7 \times 15}$$

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

$$C = \frac{5}{3}$$

exercice n° 52 p 18

$$A = \frac{8}{7} + \frac{5}{7} \times \frac{1}{15}$$

$$A = \frac{8}{7} + \frac{5 \times 1}{7 \times 15}$$

$$A = \frac{8}{7} + \frac{5 \times 1}{7 \times 3 \times 5}$$

$$A = \frac{8}{7} + \frac{1}{21}$$

$$A = \frac{8 \times 3}{7 \times 3} + \frac{1}{21}$$

$$A = \frac{24}{21} + \frac{1}{21}$$

$$A = \frac{24 + 1}{21}$$

$$A = \frac{25}{21}$$

$$C = \frac{\frac{7}{4} - 2}{\frac{5}{4} + 6}$$

$$C = \frac{\frac{7}{4} - \frac{2}{1}}{\frac{5}{4} + \frac{6}{1}}$$

$$C = \frac{\frac{7}{4} - \frac{2 \times 4}{1 \times 4}}{\frac{5}{4} + \frac{6 \times 4}{1 \times 4}}$$

$$C = \frac{\frac{7 - 8}{4}}{\frac{5 + 24}{4}}$$

$$C = \frac{\frac{-1}{4}}{\frac{29}{4}}$$

$$C = \frac{-1}{4} \times \frac{4}{29}$$

$$C = \frac{-1}{29}$$

$$B = \frac{4}{9} - \frac{8}{9} : \frac{16}{5}$$

$$B = \frac{4}{9} - \frac{8}{9} \times \frac{5}{16}$$

$$B = \frac{4}{9} - \frac{8 \times 5}{9 \times 16}$$

$$B = \frac{4 \times 9}{9 \times 9} - \frac{40}{81}$$

$$B = \frac{36}{81} - \frac{40}{81}$$

$$B = \frac{36 - 40}{81}$$

$$B = \frac{-4}{81}$$

$$D = \frac{5 - \frac{2}{5}}{\frac{4}{5} \times 9}$$

$$D = \frac{\frac{5}{1} - \frac{2}{5}}{\frac{4}{5} \times \frac{9}{1}}$$

$$D = \frac{\frac{25}{5} - \frac{2}{5}}{\frac{36}{5}}$$

$$D = \frac{\frac{23}{5}}{\frac{36}{5}}$$

$$D = \frac{23}{5} \times \frac{5}{36}$$

$$D = \frac{23}{36}$$