

Exercice 46 page 38

a. $\frac{8}{100}$

b. $\frac{53}{100}$

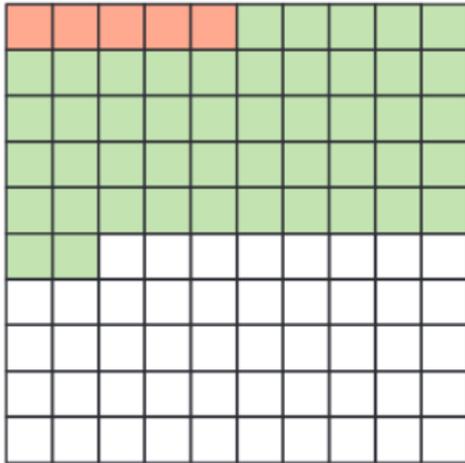
c. $\frac{4}{10}$

d. $\frac{164}{100}$

e. $\frac{2}{10}$

Exercice 48 page 38

1. et 2.



3. La fraction du carré coloriée est $\frac{52}{100}$.

4. $\frac{5}{100} + \frac{47}{100} = \frac{52}{100}$

Exercice 53 page 39

a. $\frac{37}{100}$

b. $\frac{201}{100}$

Exercice 49 page 38

a. $\frac{12}{10} = \frac{10}{10} + \frac{2}{10} = 1 + \frac{2}{10}$

b. $\frac{237}{100} = \frac{200}{100} + \frac{30}{100} + \frac{7}{100} = 2 + \frac{3}{10} + \frac{7}{100}$

c. $\frac{7\,054}{1\,000} = \frac{7\,000}{1\,000} + \frac{50}{1\,000} + \frac{4}{1\,000}$
 $= 7 + \frac{0}{10} + \frac{5}{100} + \frac{4}{1\,000}$

Exercise 51 page 39

$$\text{a. } 7 + \frac{3}{10} = \frac{70}{10} + \frac{3}{10} = \frac{73}{10}$$

$$\text{b. } 4 + \frac{5}{10} + \frac{7}{100} = \frac{400}{100} + \frac{50}{100} + \frac{7}{100} = \frac{457}{100}$$

$$\text{c. } 12 + \frac{3}{10} = \frac{120}{10} + \frac{3}{10} = \frac{123}{10}$$

$$\text{d. } 3 + \frac{7}{10} + \frac{2}{1000} = \frac{3000}{1000} + \frac{700}{1000} + \frac{2}{1000} = \frac{3702}{1000}$$

Exercise 58 page 39

$$A = \frac{23}{10} = \frac{20}{10} + \frac{3}{10} = 2 + \frac{3}{10}$$

$$B = \frac{831}{100} = \frac{800}{100} + \frac{31}{100} = 8 + \frac{31}{100}$$

$$C = \frac{54\,318}{1\,000} = \frac{54\,000}{1\,000} + \frac{318}{1\,000} = 54 + \frac{318}{1\,000}$$

$$D = \frac{12\,537}{100} = \frac{12\,500}{100} + \frac{37}{100} = 125 + \frac{37}{100}$$

Exercise 59 page 39

$$1. \frac{721}{100} = \frac{700}{100} + \frac{20}{100} + \frac{1}{100} = 7 + \frac{2}{10} + \frac{1}{100}$$

$$2. \frac{51\,507}{1\,000} = \frac{51\,000}{1\,000} + \frac{500}{1\,000} + \frac{7}{1\,000} = 51 + \frac{5}{10} + \frac{7}{1\,000}$$

$$3. \frac{40\,307}{100} = \frac{40\,300}{100} + \frac{7}{100} = 403 + \frac{7}{100}$$

Exercise 65 page 39

$$A = 3 + \frac{13}{10} = 3 + \frac{10}{10} + \frac{3}{10} = 3 + 1 + \frac{3}{10} = 4 + \frac{3}{10}$$

$$B = \frac{245}{100} + \frac{78}{100} = \frac{245+78}{100} = \frac{323}{100} = \frac{300}{100} + \frac{23}{100} = 3 + \frac{23}{100}$$

$$\begin{aligned} C &= 23 + \frac{3\,698}{1\,000} + \frac{41\,523}{10\,000} \\ &= \frac{230\,000}{10\,000} + \frac{3\,968}{10\,000} + \frac{41\,523}{10\,000} \\ &= \frac{230\,000 + 3\,968 + 41\,523}{10\,000} = \frac{275\,491}{10\,000} \\ &= \frac{270\,000}{10\,000} + \frac{5\,491}{10\,000} = 27 + \frac{5\,491}{10\,000} \end{aligned}$$

$$\begin{aligned} D &= 7 + \frac{1\,074}{100} + \frac{121\,018}{10\,000} \\ &= \frac{70\,000}{10\,000} + \frac{107\,400}{10\,000} + \frac{121\,018}{10\,000} \\ &= \frac{70\,000 + 107\,400 + 121\,018}{10\,000} = \frac{298\,418}{10\,000} \\ &= \frac{290\,000}{10\,000} + \frac{8\,418}{10\,000} = 29 + \frac{8\,418}{10\,000} \end{aligned}$$

Exercise 66 page 39

$$\begin{aligned} A &= \frac{32\,456}{1\,000} = \frac{32\,000}{1\,000} + \frac{400}{1\,000} + \frac{50}{1\,000} + \frac{6}{1\,000} \\ &= 32 + \frac{4}{10} + \frac{5}{100} + \frac{6}{1\,000} \end{aligned}$$

$$\begin{aligned} B &= \frac{47\,870}{10\,000} = \frac{40\,000}{10\,000} + \frac{7\,000}{10\,000} + \frac{800}{10\,000} + \frac{70}{10\,000} \\ &= 4 + \frac{7}{10} + \frac{8}{100} + \frac{7}{1\,000} \end{aligned}$$

$$\begin{aligned} C &= 17 + \frac{3}{10} + \frac{23}{100} + \frac{703}{1\,000} + 6 + \frac{5}{10} + \frac{83}{100} + \frac{541}{1\,000} \\ &= 23 + \frac{8}{10} + \frac{106}{100} + \frac{1\,244}{1\,000} \\ &= 23 + \frac{8}{10} + \frac{100}{100} + \frac{6}{100} + \frac{1\,000}{1\,000} + \frac{200}{1\,000} + \frac{40}{1\,000} + \frac{4}{1\,000} \\ &= 23 + \frac{8}{10} + 1 + \frac{6}{100} + 1 + \frac{2}{10} + \frac{4}{100} + \frac{4}{1\,000} \\ &= 25 + \frac{10}{10} + \frac{10}{100} + \frac{4}{1\,000} = 25 + 1 + \frac{1}{100} + \frac{4}{1\,000} \\ &= 26 + \frac{1}{100} + \frac{4}{1\,000} \end{aligned}$$

Exercise 60 page 39

$$A = \frac{432}{10} = \frac{430}{10} + \frac{2}{10} = 43 + \frac{2}{10}$$

$$B = \frac{7}{10} + \frac{4}{1\,000} = \frac{700}{1\,000} + \frac{4}{1\,000} = \frac{704}{1\,000}$$

$$C = \frac{72}{10} + \frac{3}{100} = \frac{720}{100} + \frac{3}{100} = \frac{723}{100}$$

$$D = 3 + \frac{51}{10} = 3 + \frac{50}{10} + \frac{1}{10} = 3 + 5 + \frac{1}{10} = 8 + \frac{1}{10}$$

Exercise 68 page 39

$$A = \frac{17}{10} + \frac{47}{10} = \frac{64}{10} = \frac{60}{10} + \frac{4}{10} = 6 + \frac{4}{10}$$

$$\begin{aligned} B &= 7 + \frac{7}{10} + 5 + \frac{8}{10} = 12 + \frac{15}{10} = 12 + \frac{10}{10} + \frac{5}{10} \\ &= 12 + 1 + \frac{5}{10} = 13 + \frac{5}{10} \end{aligned}$$

$$\begin{aligned} C &= 3 + \frac{5}{10} + \frac{7}{100} + 23 + \frac{8}{10} + \frac{6}{100} \\ &= 26 + \frac{13}{10} + \frac{13}{100} = 26 + \frac{10}{10} + \frac{3}{10} + \frac{13}{100} \\ &= 26 + 1 + \frac{30}{100} + \frac{13}{100} = 27 + \frac{43}{100} \end{aligned}$$