

## Exercice 2

$$\begin{aligned} \text{a) } N &= 15 + 9 + 8 + (6 \times 6) + 5 + (3 \times 2) + (8 \times 2) + 7 \\ &= 15 + 9 + 8 + 36 + 5 + 6 + 16 + 7 = \underline{\underline{102}} \end{aligned}$$

$$\begin{aligned} \text{b) } f_P &= \frac{2}{102} = \frac{1}{51} & ; f_D &= \frac{3}{102} = \frac{1}{34} & ; f_E &= \frac{15}{102} = \frac{5}{34} \\ f_A &= \frac{9}{102} = \frac{3}{34} \end{aligned}$$

$$\text{c) } f_{\text{Carbone}} = \frac{(4 \times 6) + (5 \times 1) + (3 \times 2) + (7 \times 2) + (6 \times 1)}{102} = \frac{55}{102}$$

$$\text{d) } N_{\text{lettres}} = 5 + (3 \times 2) + (2 \times 8) + 7 = 5 + 6 + 16 + 7 = \underline{\underline{34}}$$

Donc Probabilité de la Probabilité des lettres

$$P = \frac{34}{102} = \frac{1}{3}$$