

Fiche 1 :

La notation scientifique --- correction**EX1/**

$$A = 10^3 \times 10^5 = \mathbf{10^8}$$

$$B = 10^{-5} \times 10^2 = \mathbf{10^{-3}}$$

$$C = 10^{-3} \times 10^5 \times 10^{-4} = \mathbf{10^{-2}}$$

$$D = 10^8 \times 10^{-4} \times 10^{-5} = \mathbf{10^{-1}}$$

$$E = \frac{10^8}{10^5} = \mathbf{10^3}$$

$$F = \frac{10^{-3} \times 10^4}{10^{-2} \times 10^5} = \frac{10^1}{10^3} = \mathbf{10^{-2}}$$

$$G = \frac{10^4 \times 10^{-1}}{10^8} \times \frac{10^{-5} \times 10^3}{10^{-6} \times 10^{-2}} = \frac{10^3}{10^8} \times \frac{10^{-2}}{10^{-8}} =$$

$$H = 10^{-5} \times 10^6 = \mathbf{10^1}$$

EX2/

$$A = 123 = \mathbf{1,23 \cdot 10^2}$$

$$B = 325000 = \mathbf{3,25 \cdot 10^5}$$

$$C = 0,015 = \mathbf{1,5 \cdot 10^{-2}}$$

$$D = 25,3 = \mathbf{2,53 \cdot 10^1}$$

$$E = 236 \times 10^4 = 2,36 \cdot 10^2 \times 10^4 = \mathbf{2,36 \cdot 10^6}$$

$$F = 0,089 \times 10^2 = 8,9 \cdot 10^{-2} \times 10^2 = \mathbf{8,9}$$

$$G = 0,0045 \times 10^6 = 4,5 \cdot 10^{-3} \times 10^6 = \mathbf{4,5 \cdot 10^3}$$

$$H = 369 \times 10^{-5} = 3,69 \cdot 10^2 \times 10^{-5} = \mathbf{3,69 \cdot 10^{-3}}$$

$$I = 0,00026 \times 10^{-7} = 2,6 \cdot 10^{-4} \times 10^{-7} = \mathbf{2,6 \cdot 10^{-11}}$$

$$J = 0,0078 \times 10^4 = 7,8 \cdot 10^{-3} \times 10^4 = \mathbf{7,8 \cdot 10^1}$$