TE 25/11/2026

60'

- Calcul littéral (selon listes)
- Not. scientifique (2.14 à 2.21)
- Formules (4.1 à 4.8)

Notation scientifique

Exemples :

$14538274176321,571$

$1,14538274176321571 \cdot 10^{13}$

Not. sc.

Not sc.

$103 = 1,03 \cdot 10^{2}$

$1542 = 1,542 \cdot 10^{3}$

$9472 = 9,472 \cdot 10^{3}$

$12 = 1,2 \cdot 10^{1}$

$$0{,}500 = 5 \cdot 10^{-1}$$



$$0{,}001234 = 1{,}234 \cdot 10^{-3}$$

$$0{,}00008432 = 8{,}432 \cdot 10^{-5} = 8{,}432 \cdot \frac{1}{10^5}$$

$$= \frac{8{,}432}{100000}$$

$12\,000\,000 \cdot 0{,}000\,000\,12$

$1{,}2 \cdot 10^{7} \cdot 1{,}2 \cdot 10^{-7} = 1{,}2 \cdot 1{,}2 \; 10^{7} \cdot 10^{-7}$

$= 1{,}44 \cdot 10^{7-7}$

$= 1{,}44 \cdot 10^{0}$

$= 1{,}44$

$250^{2} = 62\,500$

$625\,000^{2} =$

$(\quad)^{2} =$

$(\quad)^{2} =$

$2{,}3\ldots \cdot 10^{38}$

$1{,}52 \cdot 10^{14}$

$400 \cdot 10^4 \cdot 13 \cdot 10^5 =$

$400 \cdot 13 \cdot 10^4 \cdot 10^5 = 5200 \cdot 10^9$

$10^{4+5} = 5{,}2 \cdot 10^3 \cdot 10^9$

$= 5{,}2 \cdot 10^{3+9}$

$= \boxed{5{,}2 \cdot 10^{12}}$

$$200^3 \cdot (0{,}000002)^{-4} =$$

$$(2{,}0 \cdot 10^2)^3 \cdot (2{,}0 \cdot 10^{-6})^{-4} =$$

$$(10^{-6})^{-4} = 10^{-6 \cdot (-4)} = 10^{24}$$

$$2{,}0^3 \cdot 10^6 \cdot 2{,}0^{-4} \cdot 10^{24} =$$

$$2{,}0^3 \cdot 2{,}0^{-4} \cdot 10^{30} = 2{,}0^{-1} \cdot 10^{30} = \frac{1}{2} \cdot 10^{30}$$

$$= 0{,}5 \cdot 10^{30} = 5 \cdot 10^{29}$$

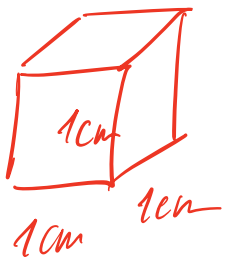
m dm cm mm longueurs

m^2 dm^2 cm^2 mm^2 aires

m^3 dm^3 cm^3 mm^3 volumes

1 litre

$1\,m^3 = 1000\,dm^3$



1 l 1 dl 1 cl 1 ml

$1\,dm^3$ $1\,cm^3$