

EX
1

Donner l'écriture décimale des nombres suivants.

4C30-2

1. $10^9 = \dots$
2. $10^{-3} = \dots$
3. $10^4 = \dots$
4. $10^{-7} = \dots$
5. $10^6 = \dots$
6. $10^{-9} = \dots$
7. $10^7 = \dots$
8. $10^{-2} = \dots$
9. $10^5 = \dots$
10. $10^{-8} = \dots$
11. $10^8 = \dots$
12. $10^{-10} = \dots$

EX
2

Donner le résultat des calculs suivants en écriture décimale.

4C32-0

1. $5,53 \times 10^{-2}$
2. $44,6 \times 10^3$
3. 2×10^4
4. 96×10^{-6}
5. $40,22 \times 10^{-7}$
6. $760,38 \times 10^7$
7. 555×10^3
8. 5×10^{-3}
9. $38,6 \times 10^{-2}$
10. 255×10^{-1}
11. $300,002 \times 10^1$
12. 955×10^3

Corrections

EX
1

1. $10^9 = 1\,000\,000\,000$

2. $10^{-3} = \frac{1}{10^3} = \frac{1}{1\,000} = 0,001$

3. $10^4 = 10\,000$

4. $10^{-7} = \frac{1}{10^7} = \frac{1}{10\,000\,000} = 0,000\,000\,1$

5. $10^6 = 1\,000\,000$

6. $10^{-9} = \frac{1}{10^9} = \frac{1}{1\,000\,000\,000} = 0,000\,000\,001$

7. $10^7 = 10\,000\,000$

8. $10^{-2} = \frac{1}{10^2} = \frac{1}{100} = 0,01$

9. $10^5 = 100\,000$

10. $10^{-8} = \frac{1}{10^8} = \frac{1}{100\,000\,000} = 0,000\,000\,01$

11. $10^8 = 100\,000\,000$

12. $10^{-10} = \frac{1}{10^{10}} = \frac{1}{10\,000\,000\,000} = 0,000\,000\,000\,1$

EX
2

1. $5,53 \times 10^{-2} = 0,055\,3$

2. $44,6 \times 10^3 = 44\,600$

3. $2 \times 10^4 = 20\,000$

4. $96 \times 10^{-6} = 0,000\,096$

5. $40,22 \times 10^{-7} = 0,000\,004\,022$

6. $760,38 \times 10^7 = 7\,603\,800\,000$

7. $555 \times 10^3 = 555\,000$

8. $5 \times 10^{-3} = 0,005$

9. $38,6 \times 10^{-2} = 0,386$

10. $255 \times 10^{-1} = 25,5$

11. $300,002 \times 10^1 = 3\,000$

12. $955 \times 10^3 = 955\,000$