

# Fiche n° 2. Puissances

## Réponses

|              |                        |              |                        |
|--------------|------------------------|--------------|------------------------|
| 2.1 a) ..... | $10^8$                 | 2.3 b).....  | $2^{21} \times 3$      |
| 2.1 b) ..... | $10^{15}$              | 2.3 c).....  | 2                      |
| 2.1 c).....  | $10^2$                 | 2.3 d).....  | $2^{38} \times 3^{26}$ |
| 2.1 d).....  | $10^{-2}$              | 2.4 a).....  | 8                      |
| 2.1 e).....  | $10^4$                 | 2.4 b) ..... | 11                     |
| 2.1 f) ..... | $10^{-8}$              | 2.4 c).....  | $3^{10}$               |
| 2.2 a) ..... | $15^4$                 | 2.4 d).....  | $2^6 \times 5$         |
| 2.2 b) ..... | $5^{-6}$               | 2.5 a) ..... | $\frac{x}{x+1}$        |
| 2.2 c).....  | $2^7$                  | 2.5 b) ..... | $\frac{1}{x-2}$        |
| 2.2 d) ..... | $7^{-2}$               | 2.5 c) ..... | $\frac{2x}{x+1}$       |
| 2.2 e).....  | $3^5$                  | 2.5 d) ..... | $\frac{2}{x-2}$        |
| 2.2 f) ..... | $3^{28}$               |              |                        |
| 2.3 a).....  | $2^{-4} \times 3^{-1}$ |              |                        |