Nombres en informatique - solutions

Correction exercice (Exercice 1) —

1. 1
2. 9
3. 13
4. 21
5. 6
6. 204
7. 102
8. 154
9. 237

Correction exercice (Exercice 2) —

1. `0010`
2. `0111`
3. `1110`

Correction exercice (Exercice 3) —

1. `00001110`
2. `00101101`
3. `01100111`
4. `11111100`

Correction exercice (Exercice 4) —

1.

	Codage binaire	Valeur
s	1	1
e	10000000010	1026
m	1000000000000000000000000000000000000000000000000000	2^{51}

2.

	Codage binaire	Valeur
s	0	0
e	10000000000	1024
m	1100000000000000000000000000000000000000000000000000	$2^{51} + 2^{50}$

Correction exercice (Exercice 5) —

1. -1.625
2. 14.75