

Solutions

Each answer shows the steps, then the **result**.

2.1

- $1010_2 = 8 + 0 + 2 + 0 = 10$

2.2

- $6 = 4 + 2 = 110_2$

2.3

- 8

3.1 B

3.2 B

3.3

(a)

- $1111_2 = 8 + 4 + 2 + 1 = 15$

(b)

- $10 = 8 + 2 = 1010_2$