

Solutions

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

2.1

- the total current into a junction equals the total current out of it

2.2

- conservation of charge

2.3

- $4.0 - 1.5 = 2.5 \text{ A}$

3.1 B

3.2 B

3.3

(a)

- $6.0 - 2.5 = 3.5 \text{ A}$

(b)

- conservation of charge