

- 24** When a cell is connected across an ideal voltmeter (Fig. a) and an ideal ammeter (Fig. b), the readings are 1.5 V and 5.0 A respectively.

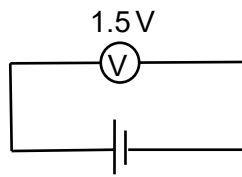


Fig. a

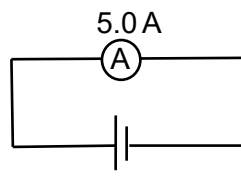


Fig. b

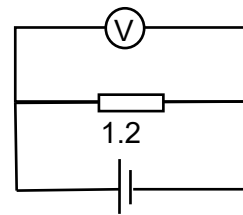


Fig. c

If a $1.2\ \Omega$ resistor is connected across the cell (Fig. c), what would be the voltmeter reading?

- A** 0.3 V **B** 1.2 V **C** 1.5 V **D** 6.0 V

