

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

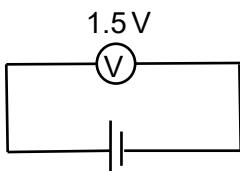


Fig. a

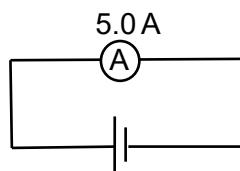


Fig. b

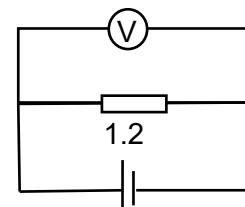


Fig. c

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

**A** 0.3V

**B** 1.2V

**C** 1.5V

**D** 6.0V

