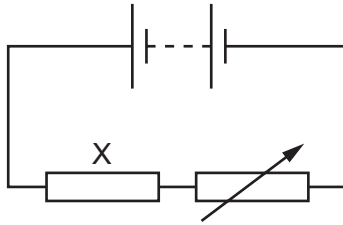


- 34** In the circuit shown, a fixed resistor X is connected in series with a battery and a variable resistor.



The power dissipated in resistor X is 7.2 W when a current of 3.0 A passes through it.

The variable resistor is adjusted so that the power dissipated in X increases by 50% .

What is the new current in the circuit?

- A** 2.4 A **B** 3.7 A **C** 4.5 A **D** 14 A