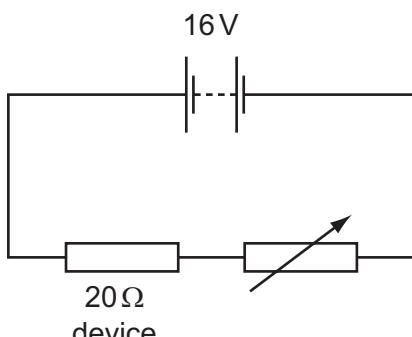


- 34 An electrical device of fixed resistance 20Ω is connected in series with a variable resistor and a battery of electromotive force (e.m.f.) 16V and negligible internal resistance.



What is the resistance of the variable resistor when the power dissipated in the electrical device is 4.0W?

- A** 16Ω **B** 36Ω **C** 44Ω **D** 60Ω

Space for working