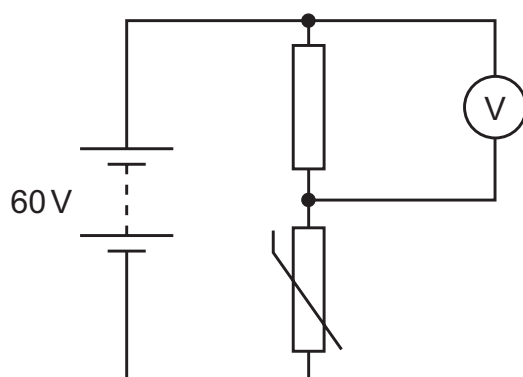


- 35** The diagram shows a circuit with a battery of electromotive force (e.m.f.) 60 V and negligible internal resistance, a $20\text{ k}\Omega$ resistor, a thermistor and a voltmeter. The resistance of the thermistor is $20\text{ k}\Omega$.



The temperature of the thermistor decreases, and this causes its resistance to change by 50% .

After this change, what is the reading on the voltmeter?

- A** 20 V **B** 24 V **C** 36 V **D** 40 V