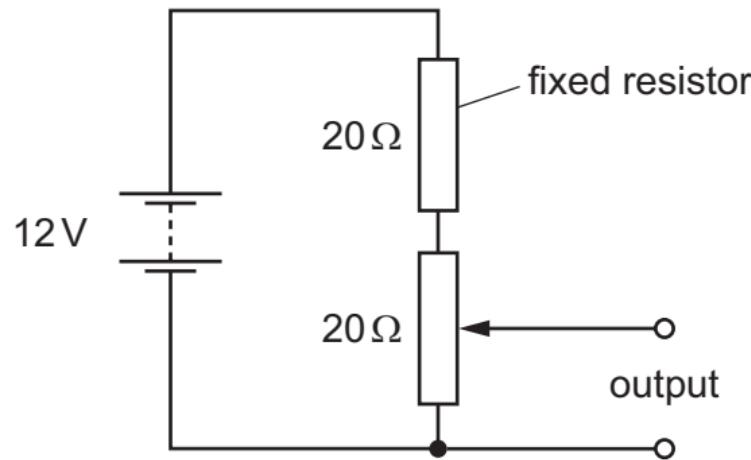


- 38 The diagram shows a potentiometer and a fixed resistor connected across a 12V battery of negligible internal resistance.



The fixed resistor and the potentiometer each have resistance 20Ω . The circuit is designed to provide a variable output voltage.

What is the range of output voltages?

- A 0–6V B 0–12V C 6–12V D 12–20V