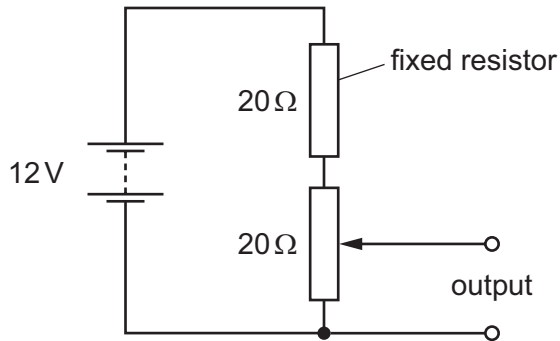


- 38** The diagram shows a potentiometer and a fixed resistor connected across a 12V battery of negligible internal resistance.



The fixed resistor and the potentiometer each have resistance  $20\Omega$ . 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