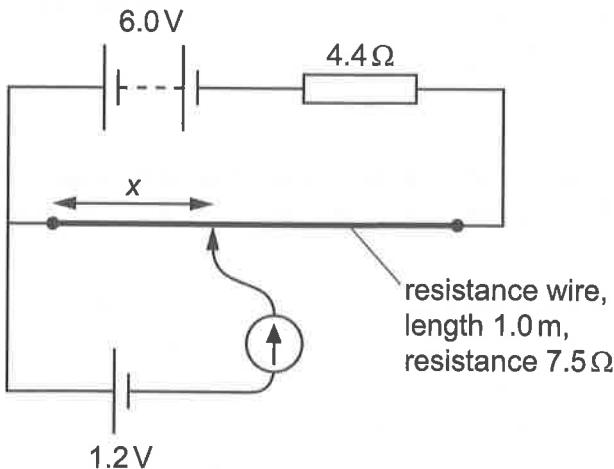


23 The diagram shows a potentiometer circuit.



The circuit contains a 6.0V battery, a 4.4Ω resistor and a resistance wire of length 1.0 m and resistance 7.5Ω .

A 1.2V cell is connected across length x of the resistance wire. The reading on the galvanometer is zero.

What is x ?

- A 0.17 m
- B 0.20 m
- C 0.27 m
- D 0.32 m