**25*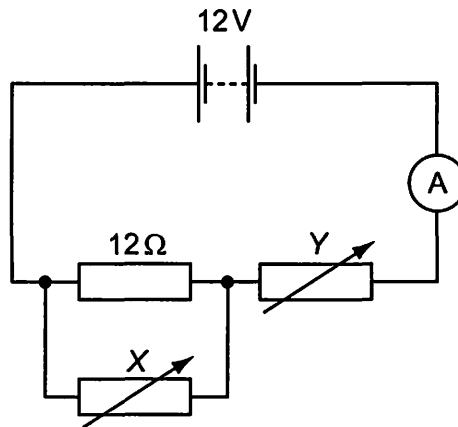* The diagram shows a circuit containing a battery of e.m.f. 12 V, a fixed resistor of resistance 12 Ω, two variable resistors of resistances X and Y, and an ammeter. The internal resistances of the battery and ammeter are negligible.

Which values of X and Y will give a current of 0.5 A in the ammeter?

	X/Ω	Y/Ω
A	8	22
B	10	20
C	12	18
D	14	16