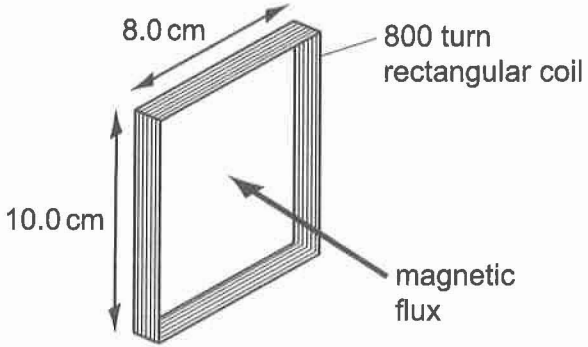
33 A rectangular coil made of 800 turns of wire has dimensions 8.0 cm × 10.0 cm. It is placed at right-angles to a magnetic field of uniform magnetic flux density.



What are possible values for the magnetic flux density, the magnetic flux and the magnetic flux linkage for the coil?

	magnetic flux density / T	magnetic flux / Wb	magnetic flux linkage / Wb turns
A	3.4	2.7×10^{-2}	220
B	2.7×10^{-2}	3.4	2700
C	3.4×10^{-4}	4.2×10^{-2}	34
D	4.2×10^{-2}	3.4×10^{-4}	0.27