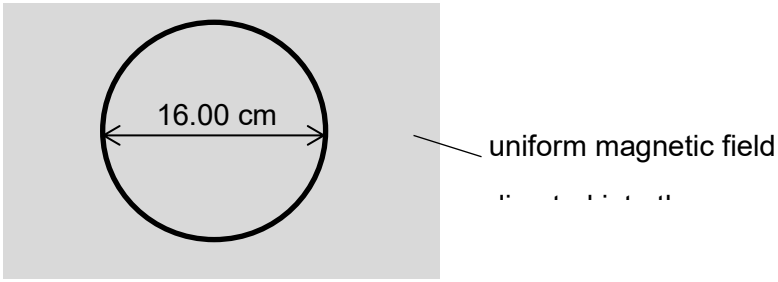
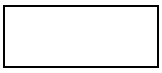
27 A circular coil of diameter 16.00 cm and resistance 4.00 Ω is placed in a uniform magnetic field of flux density 5.00 T directed perpendicularly into the coil.



If the magnetic flux density is reduced to zero at a constant rate in 10.0 ms, what can be deduced about the current flowing in the coil during this change?

	Magnitude/ A	**Direction**
A	2.51	Clockwise
B	2.51	Anticlockwise



C

10.1

Clockwise

D

10.1

Anticlockwise