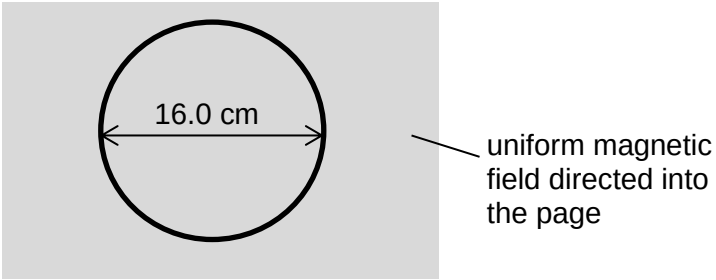
25 A circular coil of diameter 16.0 cm and resistance 4.00 Ω is placed in a uniform magnetic field of flux density 5.00 T directed perpendicularly into the coil.



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

	magnitude of current / A	**direction**
A	2.51	clockwise
B	2.51	anticlockwise
C	10.1	clockwise
D	10.1	anticlockwise