

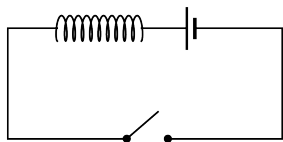
JEE MAIN ELECTROMAGNETIC INDUCTION — LR CIRCUITS: GROWTH AND DECAY OF CURRENT (JEE) — PYQS

Max. Marks: 8
Questions: 2

Section A (MCQ) — 2 questions

- Q.1** An inductor of inductance 10 mH having resistance of $100\ \Omega$ is connected to battery of E.M.F. 1.0 V through a switch as shown in the figure below. After switch is closed, the ratio of instantaneous voltages across the inductor when the current passing through it is 2 mA and 4 mA is _____.

[JEE Main 2026 (Online) 6th April Morning Shift]



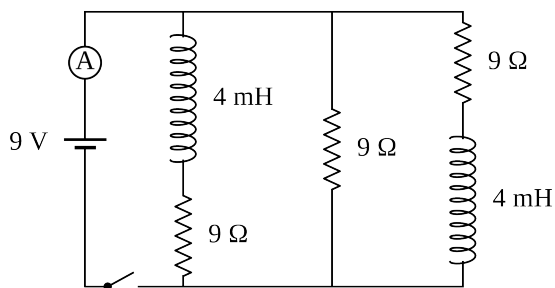
- (1) $4/3$ (2) $3/4$ (3) $5/3$ (4) $3/5$

Scan or tap for the full solution



- Q.2** Figure shows the circuit that contains three resistances ($9\ \Omega$ each) and two inductors (4 mH each). The reading of ammeter at the moment switch K is turned ON, is _____ A.

[JEE Main 2026 (Online) 22nd January Evening Shift]



- (1) 2 (2) 3 (3) 1 (4) zero

Scan or tap for the full solution



ANSWER KEY

Ques.	1	2											
Ans.	1	3											