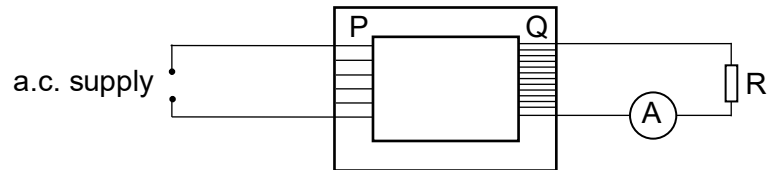
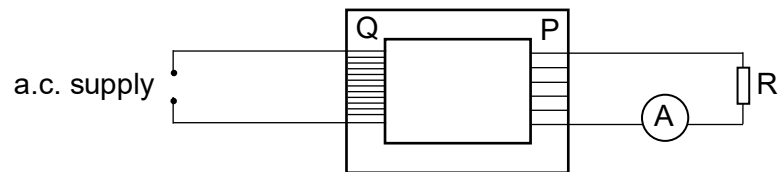


- 26** The diagram shows an ideal iron-cored transformer. The ratio of the number of turns of P to the number of turns of Q is 1:20.

P is connected to an a.c. supply and Q is connected to a resistor R. The reading on the ammeter is 2.0 A.



The transformer is turned around such that Q is now connected to the same a.c. supply and P is connected to R as shown below.



What is the new reading on the ammeter?

- A** 0.0050 A                      **B** 0.10 A                      **C** 2.0 A                      **D** 40 A