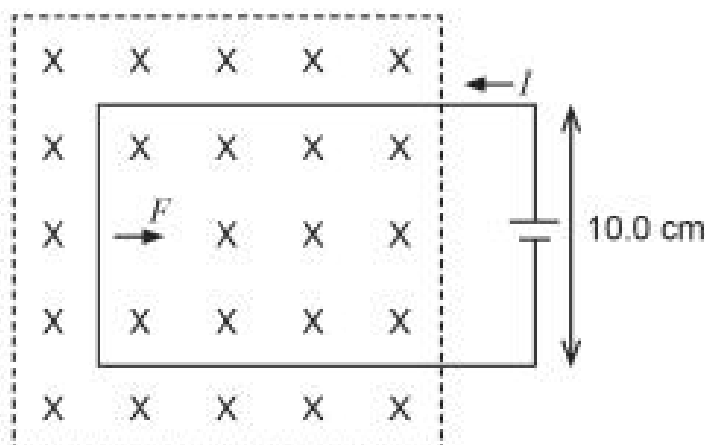


**Question 5****(3 marks)**

A rectangular wire loop is placed into a uniform magnetic field, with the plane of the loop perpendicular to the magnetic field. The wire carries a current  $I$  of 0.250 A. The magnetic field is directed into the page. A force  $F$  of  $3.20 \times 10^{-2}$  N is measured. Calculate the magnitude of the magnetic field strength. Include appropriate units.



Answer \_\_\_\_\_ Unit \_\_\_\_\_