8 A potential difference is applied across two parallel plates. A particle carrying a charge of +0.1 C is placed between the plates and experiences a force *F*.

The distance between the plates is halved. The potential difference remains constant.

Which of the following is now equal to the electric field strength between the plates?

☒ **A**   5*F*

☒ **B**   10*F*

☒ **C**   20*F*

☒ **D**   40*F*

(Total for Question 8 = 1 mark)