

32 A particle situated between two parallel metal plates carries a charge of $8 \times 10^{-19} \text{ C}$.

The potential difference (p.d.) between the plates is 2000 V. A force of $3.2 \times 10^{-13} \text{ N}$ due to the electric field acts on the particle.

What is the distance between the plates?

A 5 mm

B 8 mm

C 5 cm

D 8 cm

33 Which unit is equivalent to a coulomb (C)?