€ lectrons = -1.602 × 10-19 C = 1e +1.602 × 1519 € +1.602 × 10-19

Electrons =  $6.24 \times 10^{18}$ Michaelomb =  $14C = (0^{-6}C)$ 

 $2.00 Mc = 2 \times 6.24 \times 10^{18} \times 10^{-6}$   $= 12.48 \times 10^{12}$   $\approx 1.25 \times 10^{13}$ 

@ Fore = K 9.92

 $1N = \frac{9 \times 10^9 \, \text{N} \cdot \text{m}^2/\text{e}^2 \times 1.00 \times \text{g}_2}{15 \, \text{m}^2}$ 

X2) / 6/2 WW 1 3/X 10 3

1. 1. 208 N 1

 $g_2 = \frac{225}{9 \times 10^9} 25$ 

 $= 25 \times 10^{-9} \text{ C}$  = 25 nC