

Calculate the charge of 1500 electrons.

Solution.

The charge of a single electron is $1,602 \cdot 10^{-19}$ C. The charge of 1500 electrons is $1500 \cdot 1,602 \cdot 10^{-19} \text{C} = 2,403 \cdot 10^{-16} \text{C}$, because electric charge is additive physical quantity.

Answer: $2,403 \cdot 10^{-16} \text{C}$.