10 In a series circuit, 3.1×10^{19} electrons pass a particular point in a time of 30 seconds.

Which of the following gives the magnitude of the current in amperes in this circuit?

☒ **A** $\dfrac{(3.1 \times 10^{19}) \times (1.6 \times 10^{-19})}{30}$

☒ **B** $\dfrac{3.1 \times 10^{19}}{(1.6 \times 10^{-19}) \times 30}$

☒ **C** $(3.1 \times 10^{19}) \times (1.6 \times 10^{-19}) \times 30$

☒ **D** $\dfrac{(3.1 \times 10^{19}) \times 30}{1.6 \times 10^{-19}}$

(Total for Question 10 = 1 mark)