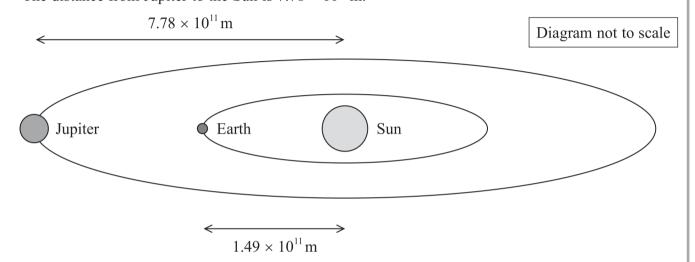
9 Earth and Jupiter orbit the Sun, as shown.

The distance from Earth to the Sun is 1.49×10^{11} m.

The distance from Jupiter to the Sun is 7.78×10^{11} m.



The intensity of sunlight at Jupiter is I_{1} .

Which of the following can be used to calculate the intensity of the sunlight at Earth?

$$\square$$
 A $I_{\rm J} \times \frac{\left(7.78 \times 10^{11}\right)^2}{\left(1.49 \times 10^{11}\right)^2}$

$$\square$$
 C $I_{\rm J} \times \frac{7.78 \times 10^{11}}{1.49 \times 10^{11}}$