

- 3 In the Pantheon in Paris there is a pendulum that takes 8.25 s to swing from one extreme position to the other.

Which of the following expressions gives the length of the pendulum?

☐ A $\frac{4\pi^2}{(8.25)^2 \times 9.81}$

☐ B $\frac{4\pi^2}{(16.5)^2 \times 9.81}$

☐ C $\frac{(8.25)^2 \times 9.81}{4\pi^2}$

☐ D $\frac{(16.5)^2 \times 9.81}{4\pi^2}$

(Total for Question 3 = 1 mark)