

- 10 The orbit of the Moon around the Earth is circular with a radius of 3.85×10^8 m. The time for one orbit is 27.3 days.

What is the centripetal acceleration of the Moon?

A 1.84×10^{-20} ms $^{-2}$

B 2.73×10^{-3} ms $^{-2}$

C 1.03×10^3 ms $^{-2}$

D 1.57×10^3 ms $^{-2}$

