

- 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 $1.84 \times 10^{-20} \text{ m s}^{-2}$
- B $2.73 \times 10^{-3} \text{ m s}^{-2}$
- C $1.03 \times 10^3 \text{ m s}^{-2}$
- D $1.57 \times 10^3 \text{ m s}^{-2}$

