

- 1 The approximate distance from the Earth to the Moon is 4×10^2 Mm.

Assuming the Moon's orbit around the Earth to be circular, what is the approximate area of the space that the orbit encloses?

- A $5 \times 10^{-1} \text{ Gm}^2$
- B $5 \times 10^2 \text{ Gm}^2$
- C $5 \times 10^{-2} \text{ Tm}^2$
- D $5 \times 10^0 \text{ Tm}^2$