3 An optical fibre of length 50 km has a diameter of 250 μm.

What is the volume of this optical fibre?

A $2.5 \times 10^{-6} \, m^3$

B $2.5 \times 10^{-3} \, m^3$

C $2.5 \times 10^{0} \, m^3$

D $2.5 \times 10^{3} \, m^3$

4 A stone is projected horizontally with a velocity of 5.00 m s^{-1}