4 The acceleration of free fall on the Moon is one-sixth of that on Earth. On Earth it takes time t for a stone to fall from rest a distance of 2 m.

What is the time taken for a stone to fall from rest a distance of 2 m on the Moon?

A $\dfrac{t}{6}$

B $\dfrac{t}{\sqrt{6}}$

C $t\sqrt{6}$

D $6t$