5 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 $6t$ **B** $\dfrac{t}{6}$ **C** $t\sqrt{6}$ **D** $\dfrac{t}{\sqrt{6}}$

Space for working