

7 A pendulum of length l with a bob of mass m oscillates with frequency f .

What is the frequency of a pendulum of length $4l$ with a bob of mass $2m$?

☐ **A** $4f$

☐ **B** $2f$

☐ **C** f

☐ **D** $\frac{f}{2}$

(Total for Question 7 = 1 mark)