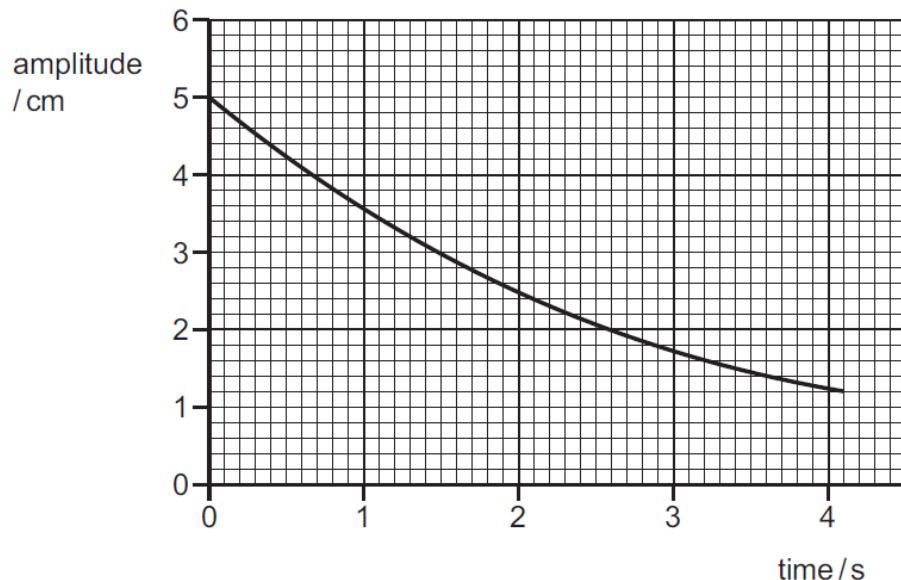


- 16** The graph shows how the amplitude of a simple pendulum decays with time from an initial amplitude of 5.0 cm.



What is the fraction of the initial energy that has been lost in the first 4.0 s?

A $\frac{1}{16}$

B $\frac{1}{4}$

C $\frac{3}{4}$

D $\frac{15}{16}$