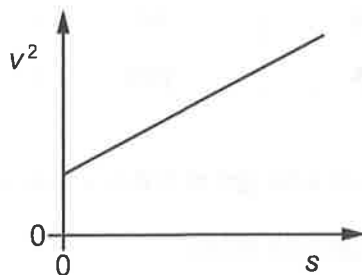


- 4 A particle moves in a straight line with a constant acceleration. When the velocity of the particle is  $v$ , its displacement is  $s$ .

The graph shows the variation of  $v^2$  with  $s$  for the particle.



What is represented by the gradient of the graph?

- A  $\frac{1}{\text{acceleration}}$
- B  $\frac{\text{acceleration}}{2}$
- C acceleration
- D  $2 \times \text{acceleration}$

