

- 5** A car has an initial velocity u . The car then moves with constant acceleration a in a straight line through a displacement d . The car reaches a final velocity v .

Which expression gives the initial velocity u of the car?

- A** $v - ad$ **B** $\sqrt{v^2 - 2ad}$ **C** $v + ad$ **D** $v - \frac{1}{2}ad^2$