

- 8** The driving force F of a car of mass m causes the car to accelerate. During a time interval of t , it travelled a distance of s and its speed increases from u to v .

What is the useful work done by the car's engine?

A Fs

B $\frac{Fs}{t}$

C $\frac{m(v^2 - u^2)}{2}$

D $m(v - u)$