

- 7 A car travels with a velocity of 3 m s^{-1} . The car accelerates uniformly in a straight line for a distance of 15 m. The final velocity of the car is 5 m s^{-1} .

Which of the following expressions gives the acceleration of the car in m s^{-2} ?

☐ A $\frac{5 - 3}{15}$

☐ B $\frac{5 - 3}{2 \times 15}$

☐ C $\frac{5^2 - 3^2}{15}$

☐ D $\frac{5^2 - 3^2}{2 \times 15}$

(Total for Question 7 = 1 mark)