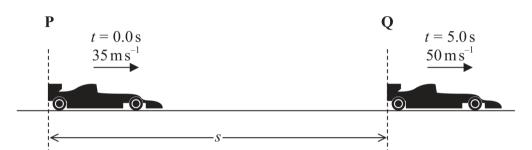
5 A racing car passes point P at a speed of 35 m s⁻¹.

The car accelerates uniformly and after 5.0 s passes point Q at a speed of 50 m s⁻¹, as shown.



Which of the following expressions gives the distance s, in metres, between the two points?

B
$$(35 \times 5) + (0.5 \times 9.81 \times 5^2)$$

$$\square$$
 C $0.5 \times (35 + 50) \times 5$

$$\square$$
 D 35 + (9.81 × 5)