

- 3** A car is travelling at a speed of 15 m s^{-1} and can be brought to rest with a uniform deceleration in 1.2 s if the brakes are applied. The reaction time of the driver is 0.10 s.

What is the closest distance that the moving car can be to a stationary object if a collision is to be avoided?

- A** 9.0 m **B** 10.5 m **C** 12.0 m **D** 19.5 m