SECTION A

Answer ALL questions.

For questions 1–10, in Section A, select one answer from A to D and put a cross in the box ⊠. If you change your mind, put a line through the box ₩ and then mark your new answer with a cross ⋈.

A car is moving towards a stop sign at a speed of 25 m s⁻¹. The driver applies the brakes 20 m before the sign and decelerates uniformly to rest just before the sign.

Which of the following gives the magnitude of the car's deceleration in m s⁻²?



$$\square$$
 C $\frac{25}{40}$

$$\square$$
 D $\frac{25^{\circ}}{20}$

(Total for Question 1 = 1 mark)