

- 7** A car is travelling with uniform acceleration along a straight road. The road has marker posts every 100 m. When the car passes one post, it has a speed of  $10 \text{ m s}^{-1}$  and, when it passes the next one, its speed is  $20 \text{ m s}^{-1}$ .

What is the car's acceleration?

- A**  $0.67 \text{ m s}^{-2}$       **B**  $1.5 \text{ m s}^{-2}$       **C**  $2.5 \text{ m s}^{-2}$       **D**  $6.0 \text{ m s}^{-2}$