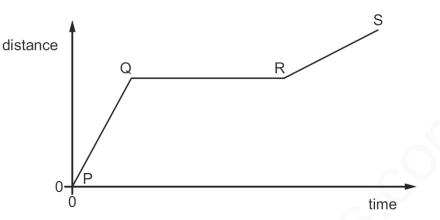


3

The graph shows how the distance travelled by a vehicle changes with time.



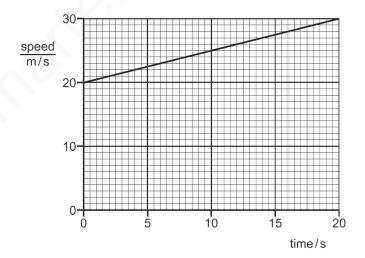
Which row describes the speed of the vehicle in each section of the graph?

	P to Q	Q to R	R to S
Α	constant	zero	constant
В	constant	zero	decreasing
С	increasing	constant	decreasing
D	increasing	zero	constant

4

A car travels along a horizontal road in a straight line. The driver presses the accelerator to increase the speed of the car.

The speed-time graph for the car is shown.

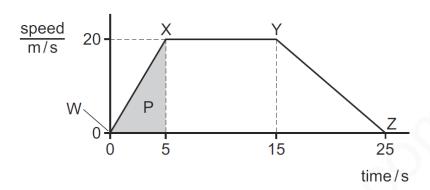


What is the acceleration of the car?

- **A** $0.50 \,\mathrm{m/s^2}$
- **B** $1.00 \,\mathrm{m/s^2}$
- **C** $1.50 \,\mathrm{m/s^2}$
- **D** $2.00 \, \text{m/s}^2$

5

The speed-time graph for an object is shown.



Below are four statements about the acceleration of the object.

Which statement is correct?

- A The acceleration in the first 5 s is given by area P.
- **B** The acceleration increases between W and X.
- **C** The acceleration is negative between Y and Z.
- **D** The deceleration between Y and Z is $(20 \div 25)$ m/s².

