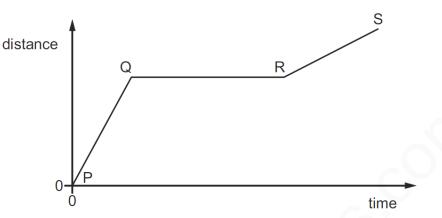


3

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?

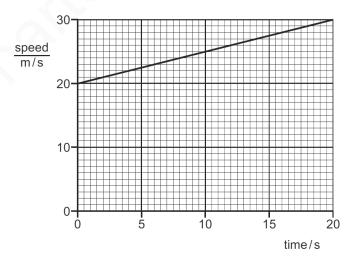
	P to Q	Q to R	R to S
Α	constant	zero	constant
В	constant	zero	decreasing
С	increasing	constant	decreasing
D	increasing	zero	constant

MS-3

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.



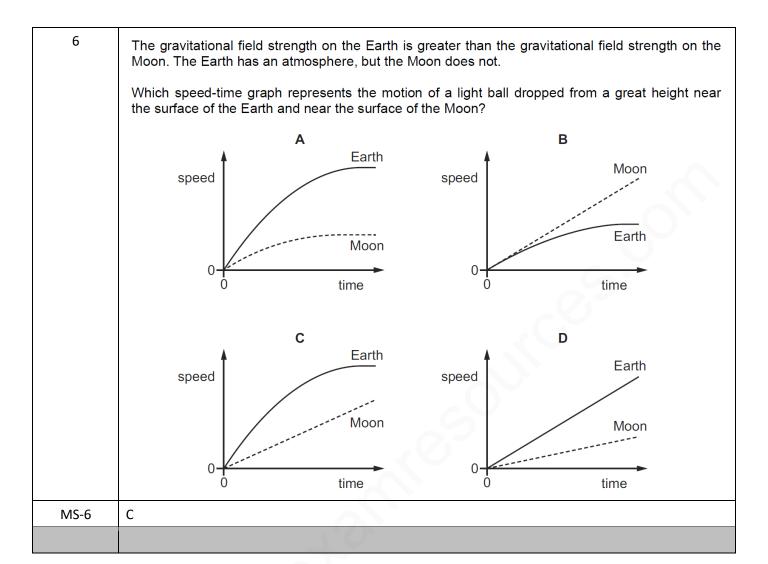
What is the acceleration of the car?

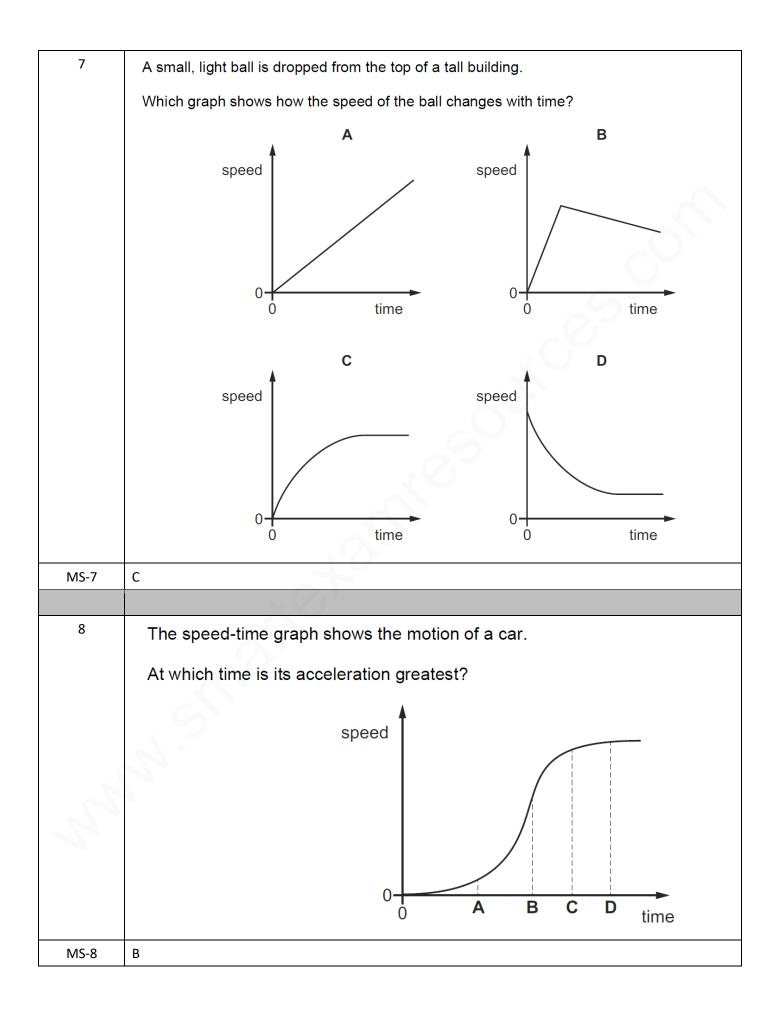
- **A**  $0.50 \,\mathrm{m/s^2}$
- **B**  $1.00 \,\mathrm{m/s^2}$
- **C**  $1.50 \,\mathrm{m/s^2}$
- **D**  $2.00 \,\mathrm{m/s^2}$

MS-4

Α

5	The speed-time graph for an object is shown.		
	speed		
	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.		
	<b>D</b> The deceleration between Y and Z is $(20 \div 25)  \text{m/s}^2$ .		
MS-5	С		





9	The graph shows how the speed of a car varies during part of a journey.		
	20.0		
	speed m/s 15.0-		
	10.0		
	5.0-		
	0		
	0 2.0 4.0 6.0 8.0 10.0 12.0		
	time/s		
	What is the acceleration of the car between 6.0 s and 10.0 s?		
	<b>A</b> $0.50 \mathrm{m/s^2}$ <b>B</b> $0.80 \mathrm{m/s^2}$ <b>C</b> $1.25 \mathrm{m/s^2}$ <b>D</b> $1.50 \mathrm{m/s^2}$		
MS-9	С		