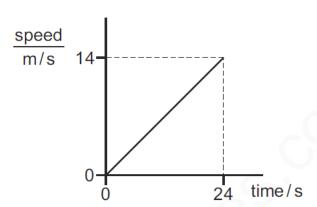
SPEED-TIME-SET-2-MS

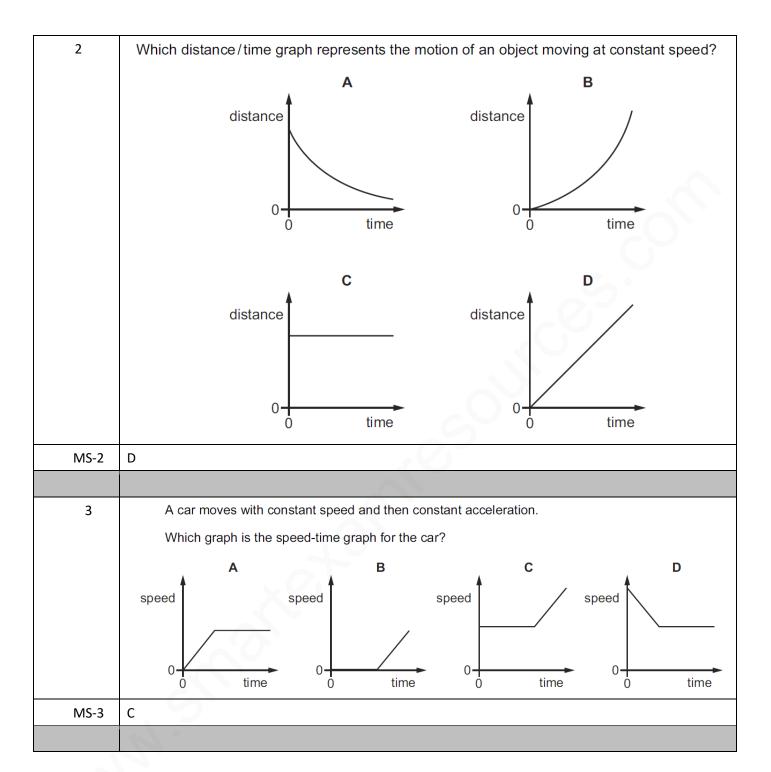
The graph shows how the speed of a car changes with time. 1

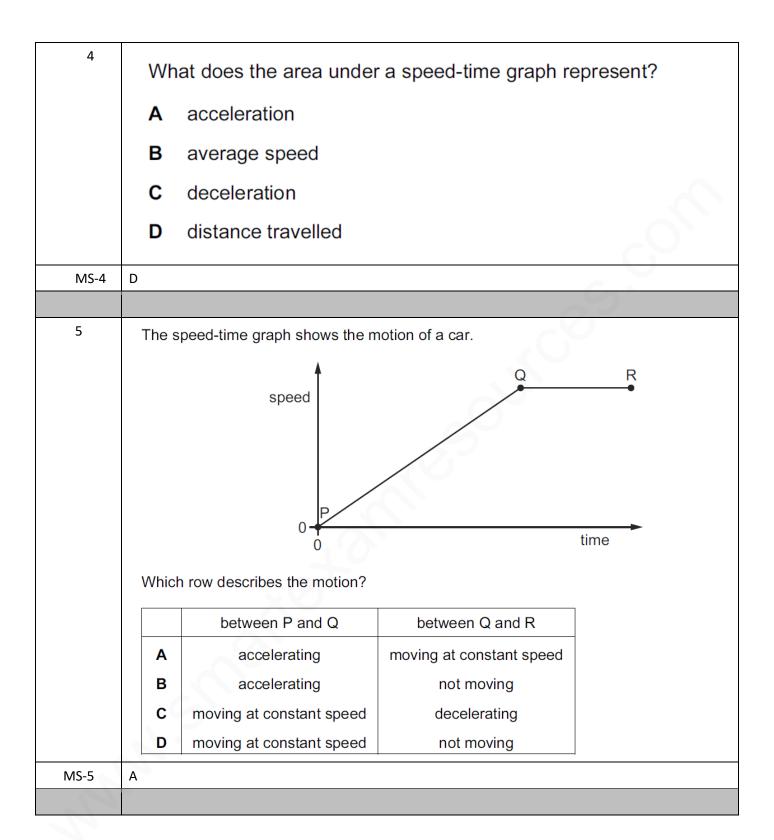


Which calculation gives the distance travelled by the car in 24 seconds?

- $\left(\frac{24\times14}{2}\right)m$
- (24×14) m D

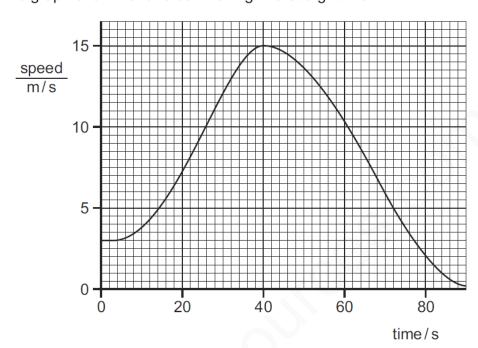
MS-1 С





6

The speed-time graph shown is for a car moving in a straight line.

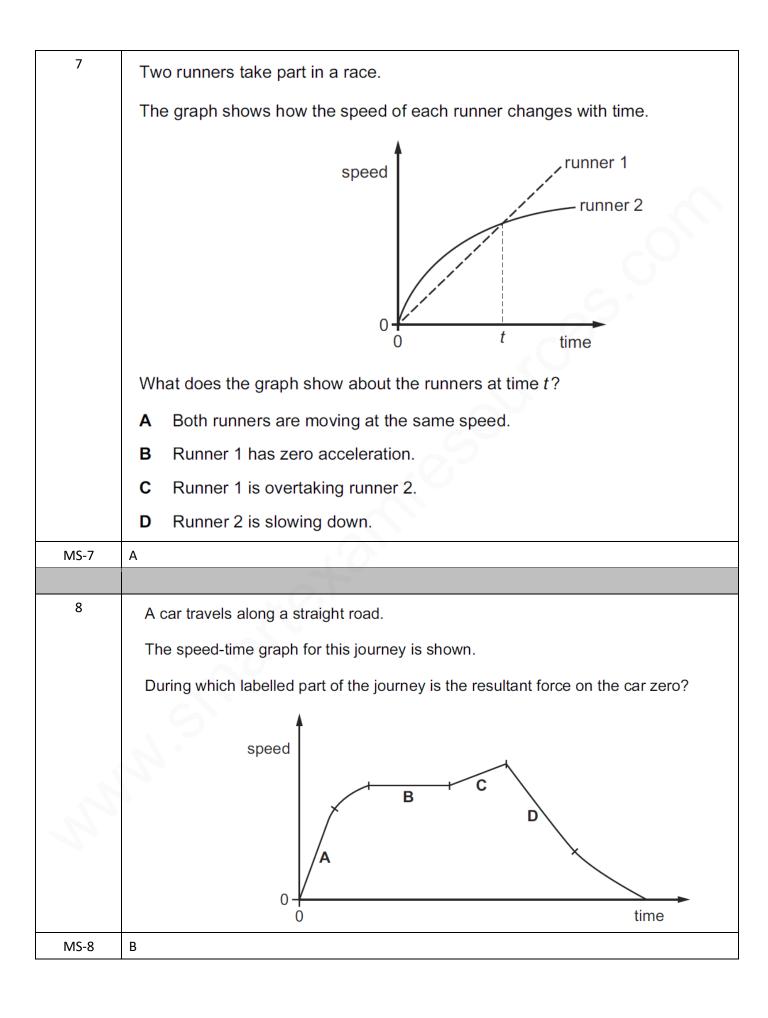


What is the acceleration of the car when the time is 40 s?

- $\mathbf{A} \quad 0 \, \text{m/s}^2$
- В
- **D** $(15-3) \text{ m/s}^2$

MS-6

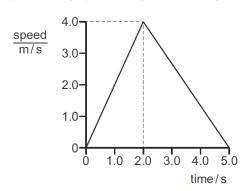
Α



9	A large stone is dropped from a bridge into a river. Air resistance can be ignor			
	Which row describes the acceleration and the speed of the stone as it falls?			
	accelera	ation speed of		
	of the st			
	A consta	ant constant		
	B consta	ant increasing	9	
	C increas	sing constant		
	D increas	sing increasing		
MS-9	В			
10	An object moves at a constant speed for some time, then begins to accelerate.			
	Which distance-time graph shows this motion? A B			
	distance distance 0 time			
		С	A D	
	distance		distance /	
		/		
	Ö	time	0 time	
MS-10	С			

11

The diagram shows the speed-time graph for a toy car travelling in a straight line.



What is the acceleration of the car during the first two seconds and what is the total distance that it travels?

	acceleration m/s ²	total distance/m
Α	0.50	10
В	0.50	20
С	2.0	10
D	2.0	20

MS-11 C