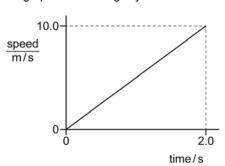
## MOTION 1. A car travels 100 km. The highest speed of the car is 90 km/h, and the lowest speed is 30 km/h. The journey takes two hours. What is the average speed for the journey? A 30 km/h B 50 km/h C 60 km/h D 90 km/h Ans 2. The data from an aeroplane flight recorder is used to plot the speed / time graph for part of the speed time Which statement describes this part of the flight? The aeroplane accelerates from rest to a constant speed. В The aeroplane decelerates after flying at a constant speed. С The aeroplane reaches a constant speed after a period of changing speed. The aeroplane travels at an increasing speed followed by a decreasing speed. Ans

3.

The diagram is a speed-time graph for a moving object.

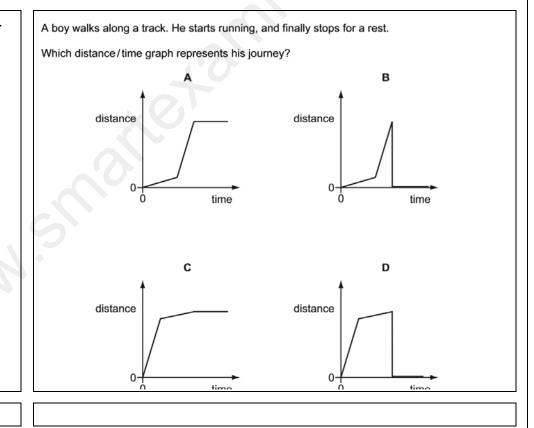


What is the acceleration of the object and what distance does it travel in 2.0 s?

	acceleration m/s <sup>2</sup>	distance travelled/m
Α	5.0	10
В	5.0	20
С	20	10
D	20	20

Ans

4.



Ans

