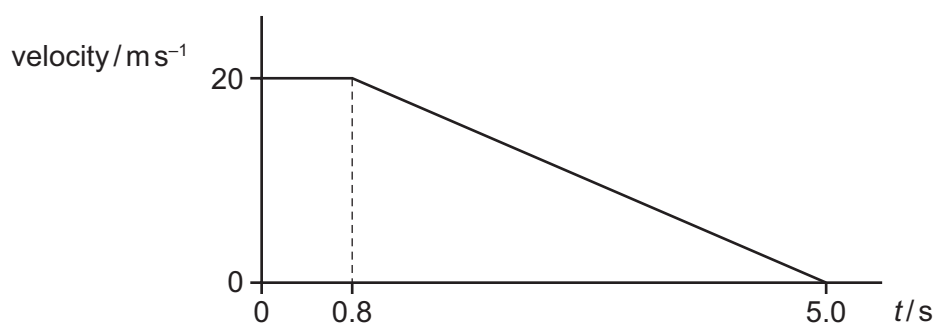
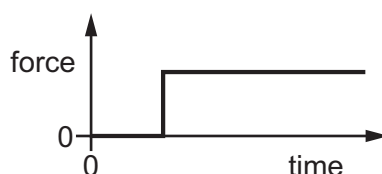


- 8 A car is travelling at constant velocity. At time  $t = 0$ , the driver of the car sees an obstacle in the road and then brakes to a halt. The graph shows the variation with  $t$  of the velocity of the car.



How far does the car travel in the 5.0 s after the driver sees the obstacle?

- A 16 m                      B 42 m                      C 58 m                      D 84 m
- 9 A car is stationary at traffic lights. When the traffic lights change to green, the driver presses down sharply on the accelerator. The resultant horizontal force acting on the car varies with time as shown.



Which graph shows the variation with time of the speed of the car?

