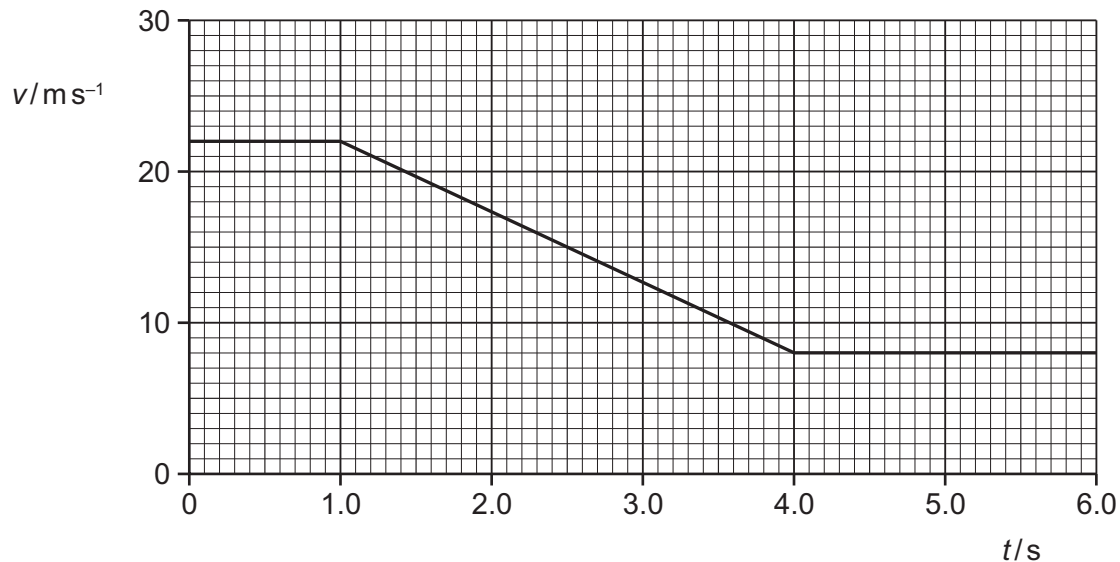


- 6 A car travels along a straight horizontal road. The graph shows the variation of the velocity  $v$  of the car with time  $t$  for 6.0 s of its journey.



The brakes of the car are applied from  $t = 1.0$  s to  $t = 4.0$  s.

How far does the car travel while the brakes are applied?

- A** 21 m      **B** 45 m      **C** 67 m      **D** 83 m