1 The variation with time t of the displacement s for a car is shown in Fig. 1.1.

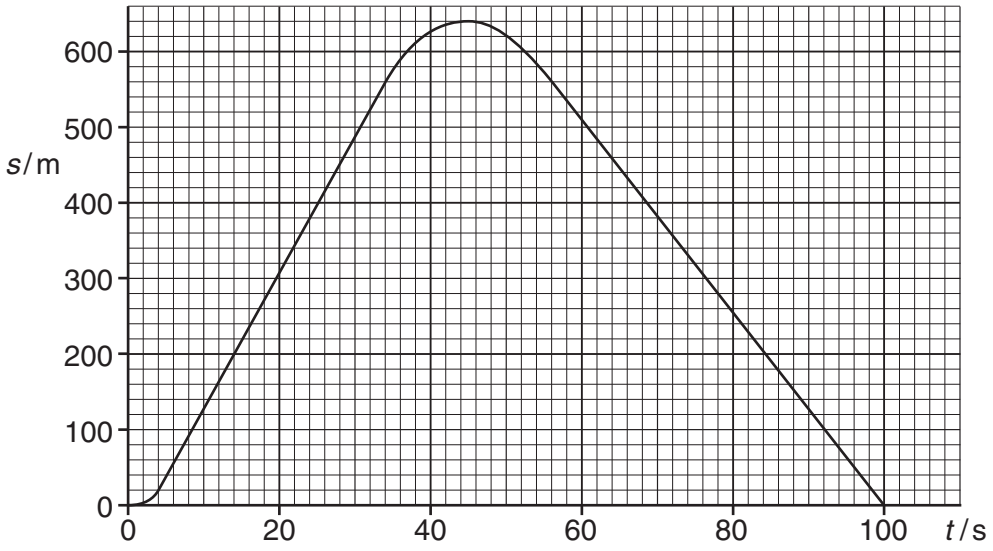

Fig. 1.1

(a) Determine the magnitude of the average velocity between the times 5.0 s and 35.0 s.

average velocity = ... $m\,s^{-1}$ [2]

(b) On Fig. 1.2, sketch the variation with time t of the velocity v for the car.

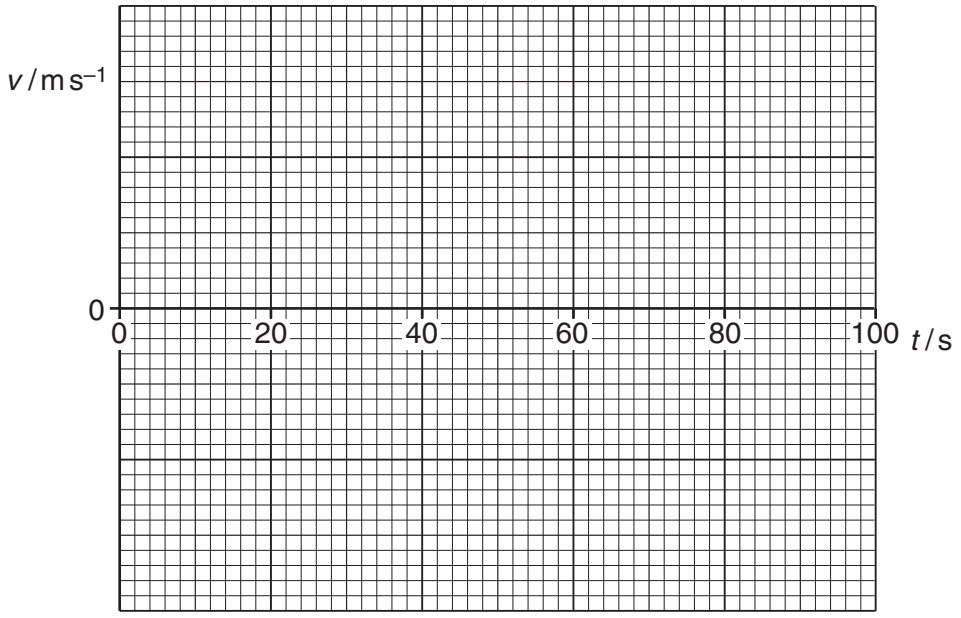

Fig. 1.2

[4]