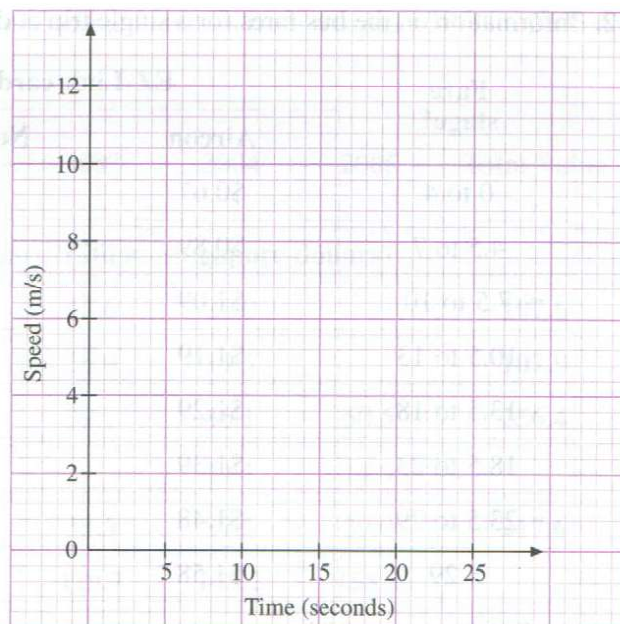


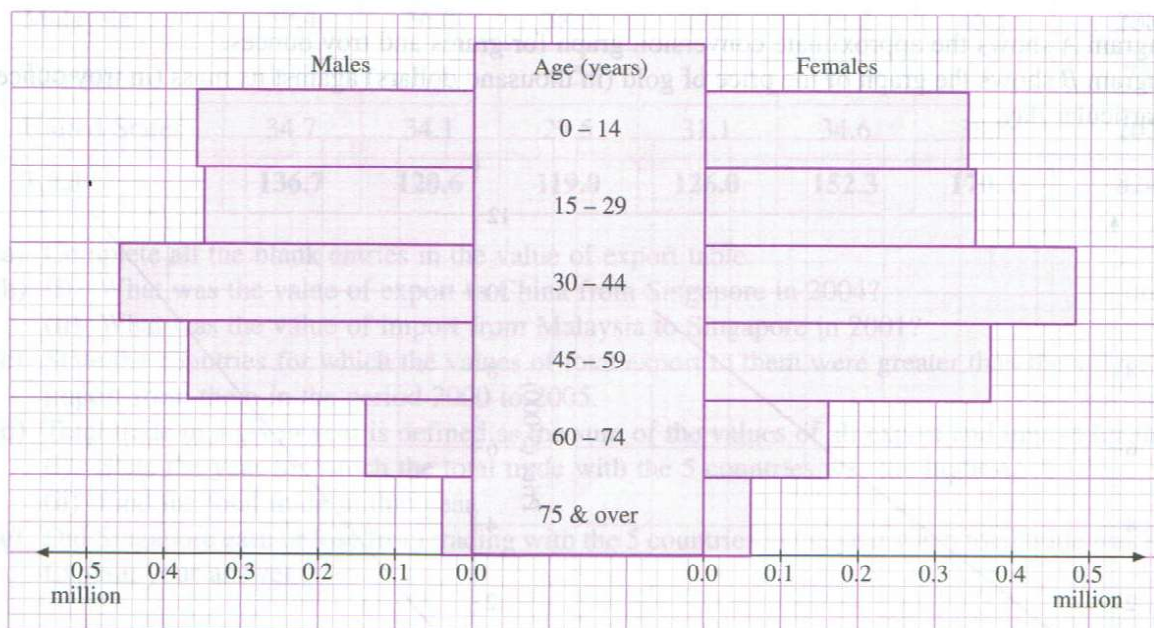
10. A truck travelled at a uniform speed of 12 m/s for 10 seconds. For the next 15 seconds, its speed decreased uniformly to 4 m/s.

- (a) Draw the speed-time graph of the truck over the 25 seconds on the diagram on the right.
- (b) Find the acceleration of the truck during
- the first 10 seconds,
 - the last 15 seconds.
- (c) (i) Calculate the distance travelled by the truck during the 25 seconds.
- (ii) Hence, calculate the average speed of the truck during the 25 seconds.



Further Practice

11. The following diagram shows the distribution (to the nearest 10 000) of Singapore residents by age and gender in 2004.



- (a) Which age group formed the majority of Singapore residents in 2004?
- (b) Estimate the total number of Singapore residents who were at most 14 years old in 2004.
- (c) Express the number of male Singapore residents who were at least 60 years old as a percentage of the number of female Singapore residents who were at least 60 years old in 2004.
- (d) Describe briefly the distribution of Singapore residents by age and gender in 2004.