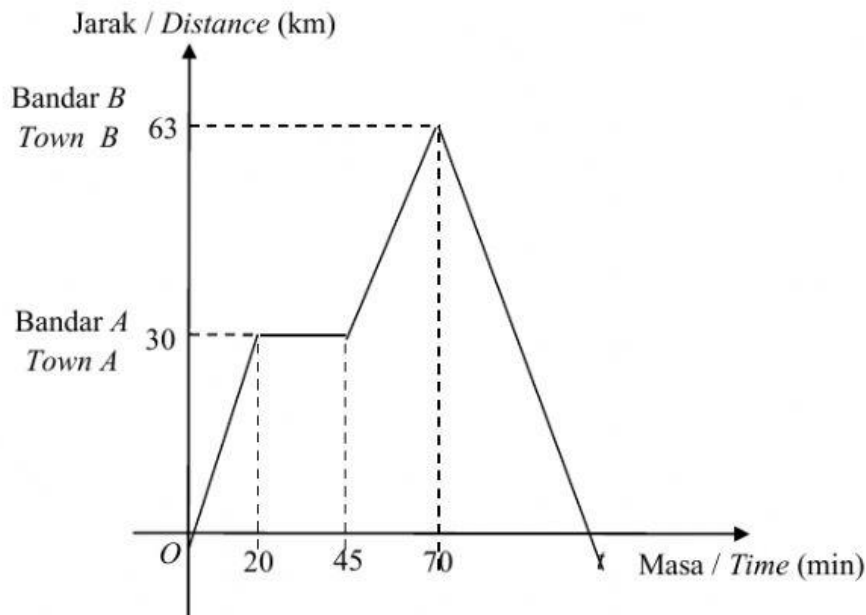


7.1 GRAF JARAK MASA

- 1 Rajah di bawah menunjukkan graf jarak-masa bagi perjalanan sebuah bas dari Bandar A ke Bandar B.
Diagram below shows the distance-time graph for the journey of a bus from Town A to Town B.



- (a) Nyatakan tempoh masa, dalam minit, ketika bas itu berhenti.
State the length of time, in minutes, when the bus is stationary.

$$\boxed{} - 20 = \boxed{} \text{ minit}$$

- (b) Hitung laju, dalam km j^{-1} , bas itu dalam 20 minit yang pertama.
Calculate the speed, in km h^{-1} , of the bus in the first 20 minutes.

$$\boxed{\text{laju} = \frac{\text{jarak}}{\text{masa}}} \quad \text{laju} = \frac{\boxed{}}{20 \div \boxed{}} = \boxed{} \text{ kmj}^{-1}$$

- (c) Hitung nilai t , diberi purata laju bas untuk perjalanan balik ialah 84 km j^{-1} .
Calculate the value of t , given that the average speed of the bus for returned journey is 84 km h^{-1} .

$$84 = \frac{\boxed{}}{(t-70) \div 60}$$

$$\frac{t-70}{\boxed{}} = \frac{63}{84}$$

$$84(t-70) = 63 \times 60$$

$$84t - \boxed{} = 3780$$

$$\text{purata laju} = \frac{\text{jumlah jarak}}{\text{jumlah masa}}$$

$$84t = 3780 + 5880$$

$$t = \boxed{} \div 84$$

$$t = \boxed{}$$