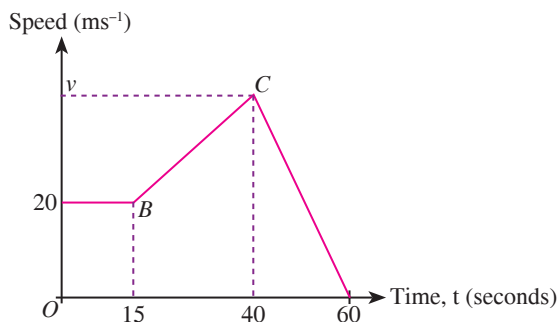


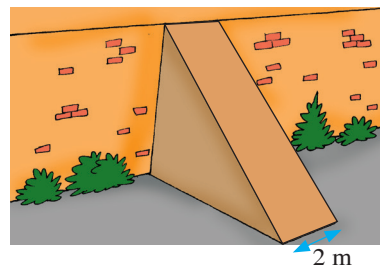


11. The diagram shows the journey of a motorcycle in 60 seconds.

- (a) State the speed of the motorcycle at the constant phase.
- (b) Calculate the value of v if the motorcycle accelerates at 0.88m/s when $t = 15\text{ s}$.



12. The cross section area of a brick wall that is shaped as right-angled triangle is 12m^2 and the height is 6 metre. Calculate the gradient and the area of the slanted surface of the stone wall.

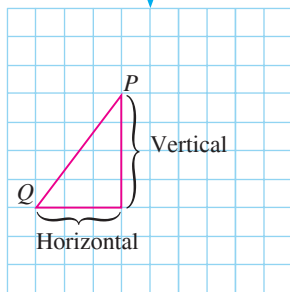


CHAPTER SUMMARY

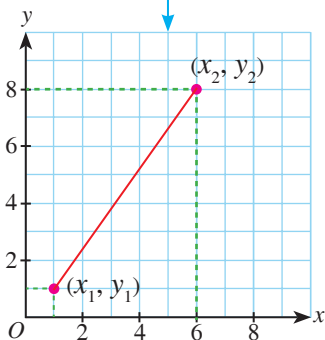
Straight Line

Gradient, m

$$m = \frac{\text{Vertical distance}}{\text{Horizontal distance}}$$



$$m = \frac{y_2 - y_1}{x_2 - x_1}$$



$$m = -\frac{\text{y-intercept}}{\text{x-intercept}}$$

