A measurement of how fast an object moves.	The distance an object moves in a unit time.	Speed = Distance / Time	*Metric Units* kilometre per hour (km/h) metre per second (m/s) centimetre per second (cm/s)

Speed = Distance / Time

- Irfan's toy car takes 5 seconds to complete a distance of 20 metres. What is the speed of the toy car?
- **20 m / 5 s = 4 m/s**

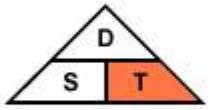
Time = Distance / Speed

- A robot can move at a speed of 6 cm/s. How long will it take to move a distance of 72 cm?
- **72 cm / 6 cm/s = 12 s**

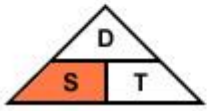
Distance = Speed x Time

- Suet Yee drives at 85 km/h. How far does she travel in 4 hours?
- **85 km/h x 4 h = 340 km**

Distance = Speed x Time



$$\text{Time} = \frac{\text{Distance}}{\text{Speed}}$$



$$\text{Speed} = \frac{\text{Distance}}{\text{Time}}$$

Relationship between Distance, Time and Speed

Given Distance	Given Time
An object which move faster takes a shorter time in travel a given distance.	An object which move faster travels a longer distance in given time.
	
The greater the speed of an object is, the shorter is the time taken to travel a given distance.	The greater the speed of an object is, the longer the distance travelled in a given time.