

## Speed, Distance and Time

MNU 3 -10a Using simple time periods, I can work out how long a journey will take, the speed travelled at or distance covered, using my knowledge of the link between speed distance and time.

For any given journey the distance travelled depends on the speed and the time taken. If the speed is a constant then the following formulas apply.

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

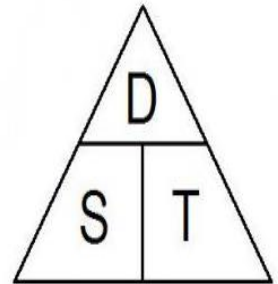
$$S = \frac{D}{T}$$

$$\textit{Distance} = \textit{Speed} \times \textit{Time}$$

$$D = S \times T$$

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

$$T = \frac{D}{S}$$



In Physics the speed is sometimes called the Velocity (v) however the calculations are exactly the same.