

- 1 Recall the equation linking **distance**, speed & time
- 2 What are the units for **a) speed b) distance c) time**
- 3 A car travels 2000m in 40s. Calculate:
 - a) the average speed of the vehicle in m/s
 - b) how far (in metres) the car travels if it travelled at this speed for 3,600s?
 - c) how long (in seconds) would it take to travel a distance of 6,000 m at this speed?
- 4 A car travels 2 km in 3 minutes. Calculate:
 - a) the average speed of the vehicle in m/s
 - b) how far (km) the car travels if it travelled at this speed for 1,200s?
 - c) how long (minutes) would it take to travel a distance of 65 km at this speed?
- 5 **A bus travels from bus stop A to bus stop B at a constant speed of 10 m/s**
It takes the bus 2 minutes to reach station B
The bus then travels at a constant speed of 13 m/s to bus stop C, which is 2km from stop B
 - a) Calculate how far apart bus stops A and B are
 - b) Calculate how long it takes for the bus to travel from stop B to stop C
 - c) Calculate the average speed of the bus between stations A and C
- 6 **A car takes 3 hours and 10 minutes to travel a distance of 230 km from A to B**
 - a) Calculate the average speed of the car in m/s**The car continues from B to C at an average speed of 30 m/s for a distance of 90 km**
 - b) Calculate the time taken (in minutes) for this section of the journey
 - c) Calculate the average speed for the entire journey A → C