A car travelled 400m in 25 seconds. Calculate the speed of the car.
A car travelled 6km in 2 minutes. Calculate the speed of the car.
A train travels at a speed of 35ms <sup>-1</sup> for 50 seconds. Calculate the distance travelled.
A person travels a distance of 4.5km while walking at a steady speed of 3 ms <sup>-1</sup> .  Calculate the time taken for this journey.

5 Fill in the blank cell in each row of the table below.

Speed	Distance	Time
	900m	15s
20ms <sup>-1</sup>		2 minutes
25ms <sup>-1</sup>	2km	
	7.2km	1 hour
13 ms <sup>-1</sup>		3 minutes

5(2)

6	Explain	how	a car	could	have	a deceleration.	
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(10)

## **Higher level**

7	The speed of a car changes from 59ms-1 to 3ms-1 in 7 seconds. Calculate the acceleration
	of the car.

(10)

	Ordinary level				
В	A student recorded 12ms <sup>-1</sup> as the speed of a car. After 6 seconds the student recorded				
	72ms <sup>-1</sup> as the speed of the car. Using this information calculate the acceleration of the car.				
		(10)			
	OR				
9	Higher level				
	What is the difference between speed and velocity?				
		(10)			
טו	Ordinary level				
	A car started from rest and reached a speed of 40ms <sup>-1</sup> in 8 seconds. Calculate the				
	acceleration of the car.				

(10)