

## SMD Physics

### Repetition *Speed, Distance, Time*

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1. Dawa drives from Sera to first camp (5.5km). It takes him 10 minutes to get there. Calculate his average speed in km/h and m/s.
  
2. A NASA jet has recently reached a speed of approximately 11'300km/h (see newspaper article). If, one day, a passenger aircraft can be built which flies at an average speed of 11'000km/h, how long will it take to travel from
  - a) Mumbai to Zurich?
  - b) New York to Paris?
  - c) Tokyo to Sydney?
  
3. A family travels from Mysore to Chennai by train. The train leaves at 8 p.m. and arrives in Chennai at 7.20 a.m. (next morning). The average speed is 12.25m/s. Calculate
  - a) the average speed in km/h.
  - b) the distance from Mysore to Chennai.
  
4. Calculate the missing values.

Distance (d)	Time (t)	Average speed (v)	
[m or km]	[s or h]	[m/s]	[km/h]
275km	2.5h		
	12min 35s =.....		90km/h
65km		18m/s	
	1min =.....	300'000km/s = .....	
		.....	