

The distance between Town A and Town B was 520 km. At 8.30 a.m a van left Town A for Town B travelling at a constant speed. At the same time, a car travelling at a constant speed set off from Town B towards Town A. The two vehicles met each other at 12.30 p.m. The car was travelling at 20 km/h faster than the van. What was the speed of the car?

At 8.30 a.m, Myke and Jerome set off at the same time from Town X to Town Y. At 11.00 a.m, Myke completed his journey but Jerome had covered only $\frac{5}{8}$ of the journey. Jerome's speed was 54 km/h slower than Myke's.

- (a) Find the distance between Town X and Town Y.
- (b) At what time would Jerome complete his journey?

Mr Lee took 7 hours to travel from Town A to Town B while Mr Wong took 8 hours to travel Town B to Town A. Both of them did not change their speed throughout the journey. Both of them started off at the same time and moved towards each other. 3 hours later, they were 110 km apart. What was the speed Mr Lee was driving?

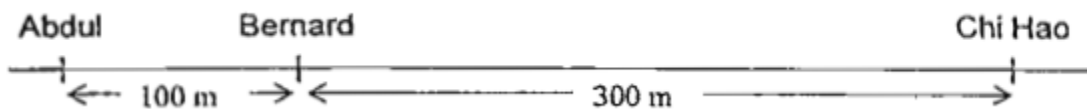
A car left Town A for Town B. At the same time, a lorry left Town B for Town A. The average speed of the car was 90 km/h while the speed of the lorry was 70 km/h. The two vehicles passed each other at a point 36 km away from the mid-point between Town A and Town B. What was the distance between Town A and Town B?

The distance between Town A and Town B is 116 km. A bus left Town A and headed for Town B. Some time later, a car left Town A and headed for Town B along the same route. Along the way, the car overtook the bus and arrived at Town B 45 minutes earlier than the bus. When the car arrived at Town B, the bus had travelled $\frac{5}{8}$ of the distance. What was the speed of the bus?

A car left Town A at 08 00 and travelled to Town B at an average speed of 60 km/h. At the same time, a lorry left Town B for Town A. At 11 30, the car and the lorry were 85 km apart after passing each other earlier. If the car arrived at Town B at 13 00, at what time would the lorry arrive at Town A?

A motorcyclist travelled from Town A to Town B. It passed a taxi travelling from Town B to Town A. The taxi was travelling at a speed of 90 km/h. The motorcyclist reached Town B $1\frac{1}{2}$ hours after passing the taxi but the taxi was still 25 km away from Town A. Both the motorcyclist and the taxi did not change their speeds throughout their journeys. If the motorcyclist took 4 hours to complete the whole journey, what was the distance between the two towns?

Abdul, Bernard and Chi Hao were all standing in a straight line waiting for the race to start. Chi Hao was 300 m ahead of Bernard and Bernard was 100 m ahead of Abdul. At 9 a.m they started the race. Abdul overtook Bernard in 5 mins. In another 5 mins, Abdul overtook Chi Hao. If Bernard's speed is 150 m/min, at what time did Bernard overtake Chi Hao?



Town Sinai and Town Malam were 375 km apart. Peter left Town Sinai for Town Malan at 10.00 a.m travelling at an average speed of 75 km/h. Fredd left Town Sinai sometime later than Peter and overtook him at 12 noon. Fredd travelled at a speed of 90 km/h.

- (a) At what time did Fredd leave Town Sinai?
- (b) How much later did peter arrive in Town Malam than Fredd?

Ashley drove from Pasir Ris to Tuas at a uniform speed of 60 km/h. At the same time, Benjamin drove from Tuas to Pasir Ris in the opposite direction at a uniform speed. 15 minutes after they passed each other, Benjamin reached Pasir Ris while Ashley was still 9 km away from Tuas. If Benjamin took 35 minutes to travel from Tuas to Pasir Ris, what was the distance between Pasir Ris and Tuas?

Peter and John started running in opposite directions from a same spot. After 36 minutes, the distance between the 2 boys was 7920 m.

- (a) Given that Peter ran 3 times as fast as John, find Peter's speed. Give your answer in m/min.
- (b) How long would they have to run to be 12 760 m apart? Give your answer in minutes.

