

**CASE STUDY**  
**MATHEMATICS**

A businessman named Mr. Anuj Kumar from New Delhi left his home at 10 am to reach bank to deposit money in his account. He boarded the bus at 10:15 am and reach bank at 10:40 am. After reaching the bank he deposited the money. After depositing he went to New Delhi station by auto rickshaw. The auto rickshaw charges Rs 15 per km and the distance of station from bank is 10 km. He boarded the train at 11:30 am from New Delhi station to reach Faridabad and reached there at 12:15 pm. After completing his work at Faridabad he went to a nearby ATM and withdraw Rs 10000. After withdrawing the money his balance is Rs 100000. He boarded the train from Faridabad at 2 pm and reached New Delhi at 3 pm. The train was late by 20 minutes. The distance from Faridabad to New Delhi is 50 km.

**Questions**

1. How much time does the bus take to reach bank?
2. How much amount he has to pay to auto rickshaw to reach New Delhi station?
3. How much time does the train take to reach Faridabad from New Delhi?
4. What is the initial balance in Anuj Kumar's account?
5. What is the speed of the train from Faridabad to New Delhi?
6. What is the right time of the train to reach New Delhi from Faridabad?