

## Puzzle – 45

### **Q- How long was he Walking Puzzle**

Every day, Jack arrives at the train station from work at 5 pm. His wife leaves home in her car to meet him there at exactly 5 pm, and drives him home. One day, Jack gets to the station an hour early, and starts walking home, until his wife meets him on the road. They get home 30 minutes earlier than usual. How long was he walking?

Distances are unspecified. Speeds are unspecified but constant. Give a number that represents the answer in minutes.

### **My Approach and Solution –**

In the problem statement it is given that 30 minutes of Jack's wife round trip are saved which means only 15 minutes of each side of her trip must have been saved. That is, she meets her husband only 15 minutes earlier on the day instead of 60 minutes earlier (if Jack had informed her earlier).

**Hence, Jack must be walking for 45 minutes.**

Suppose wife needs exactly one hour to reach the station every day. She leaves home at 4 PM every day and reaches station at 5 PM & drives Jack home at 6 PM

30 minutes of wife saved indicates that she took 45 minutes to meet husband (instead of 1 hour) at 4:45 PM (instead of 5 PM, only 15 minutes earlier)

Since, Jack started walking at 4 PM and met her wife at 4:45 PM, he must be walking for 45 minutes.