1

12

12

6

9

4

4

3

2

1

3

3

B

G

Consider that B and G start walking at time t = 0.

Initially B and G can walk at a constant speed of 5km/hr. and 7km/hr. respectively which be reduced by 30% after they have walked 3 km and by 60% after walking 6 km.

After walking 9 km B and G takes a rest break of 4.5 minutes and 3 minutes respectively.

Find out the followings:

! ) Which way should be taken by each, individually so that they can meet as earlier as possible.

!! ) Calculate the exact distance each one will be walking.

!!! ) Calculate the meeting time.

!!!! ) Calculate the distances of meeting point to the last nodes that has been passed by each.