

Direction Test

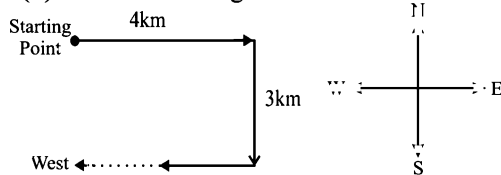
Typc - 3

1. Sunder walks 4 km towards east. Then he turns right and walks 3 km. Again he turns right and continues walking. Which direction is he going now?

- (a) North (b) West
(c) South (d) East

RRB Group-D – 23/09/2018 (Shift-I)

Ans : (b) Sunder's walking order is as follows



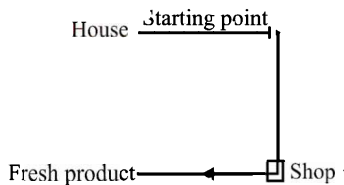
It is clear from diagram that Sunder is now going in 'West' direction.

2. Meenu goes to the grocery store on the right near her house. The entrance of her house is on the east side. After entering in the shop she turns to her right and walks towards a corridor containing fresh product. In which direction is she going?

- (a) West (b) North
(c) South (d) East

RRB Group-D – 28/09/2018 (Shift-II)

Ans. (a) :



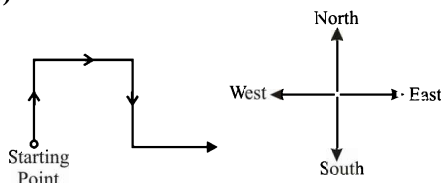
Hence, she is going in the west direction.

3. Pranitha goes in the north direction, and then turns right. Now in which direction is Pranitha going?

- (a) East (b) West
(c) South (d) North

RRB Group-D – 05/10/2018 (Shift-II)

Ans. (a)



Hence, Pranitha is going in the east direction.

4. Pavani is walking towards south. Then she turns left and walks 5 km, she again turns left and continues walking. Which direction is she walking now?

- (a) West (b) North
(c) South (d) East

RRB Paramedical 20.07.2019 Shift : III

Ans : (b)



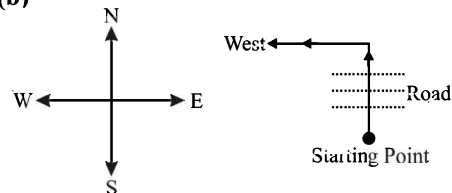
It is clear that figure, Pavani is going in the North direction.

5. Ananya crossed a road after leaving her house. By reaching the other side of the road, she turned left and straightened. If she is now in the west direction, then what direction was she before crossing the road?

- (a) North (b) South
(c) East (d) West

RRB Group-D – 16/10/2018 (Shift-III)

Ans : (b)



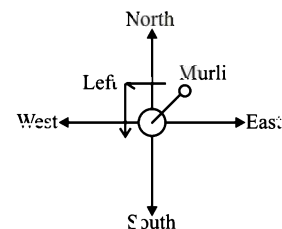
Therefore it is clear that Ananya was in the South direction before crossing the road.

6. Murali takes his dog on a walk. He turns left at a crossroads and walks south. In which direction was he moving before turning to the left?

- (a) South (b) North
(c) West (d) East

RRB Group-D – 28/09/2018 (Shift-I)

Ans : (c)



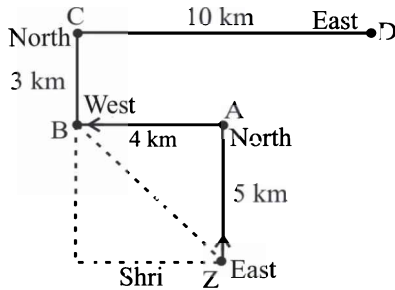
It is clear from the picture that Murali was walking towards West before turning to the left.

7. Mr. Z stand facing towards East. They turn left and walk 5 km and reach point A. Then they turn left and walk 4 km and reach point B. Then they turn right and walk 3 km and reach point C. Finally turn right and walk 10 km and reach point D. Which direction is Mr. Z facing at point B.

- (a) North (b) South
(c) West (d) East

RRB Group-D – 24/10/2018 (Shift-I)

Ans : (c)



So it is clear that at point B, Mr. Z is facing West.

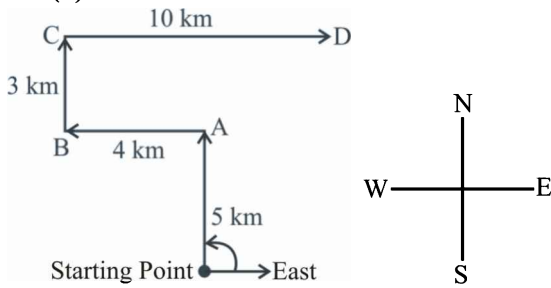
8. Mr. Z stand facing towards east. They turn left and walks 5 km and reach point A. Then they turn left and walk 4 km and reach point B. Then they turn right and walk 3 km and reach the point C.

Then they turn right and walk 10 km and reach the point D. Now which direction is Mr. Z's face at point D.

- (a) North (b) South
(c) West (d) East

RRB Group-D – 26/10/2018 (Shift-III)

Ans : (d)



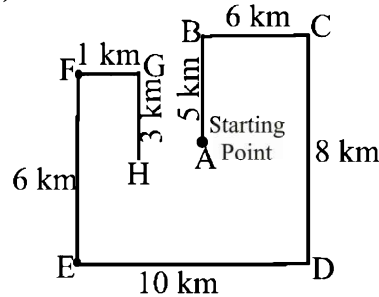
Z is facing in East direction.

9. Mr. X starts marathon race from point A. He runs 5 km in North and reach at point B, then turns right and runs 6 km and reach at point C again turns right and runs 8 km and reach at point D, again turn right and runs 10 km and reach at point E, again turn right and runs 6 km and reach at point F, then turn right and runs 1 km and reach at point G, again finally right turn and runs 3 km and reach at point H. Which direction is face of Shri X at point F?

- (a) South (b) North
(c) West (d) East

RRB Paramedical 20.07.2019 Shift : I

Ans. (b) : Shri X of Direction as follows.



It is clear from the diagram that at point F, the face of Mr. X is in the North direction.

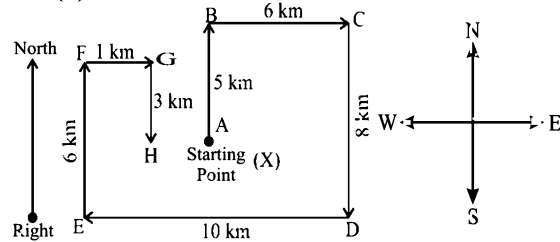
10. Mr. X runs in marathon starting from point A. He runs 5 km in North direction and reaches at point B, then turns right and runs 6 km and reaches at point C, then turns right and runs 8 km and reaches at point D, then turn right and runs 10 km and reaches at point E, then turn right and runs 6 km and reaches at point F, then turn right and runs 1 km and reaches at point G, then turns right and runs 3 km and reach at point H.

If Mr. X turns to the right from point E, then which of the following direction is he facing now?

- (a) West (b) South
(c) East (d) North

RRB Group-D – 31/10/2018 (Shift-I)

Ans : (d)



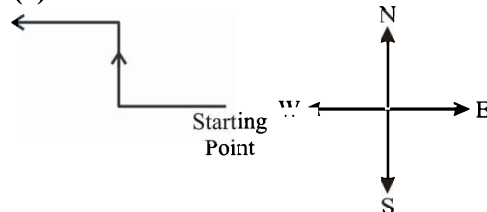
As per the image Mr. X turns to the right from point E, then his face will be towards North.

11. Shyam is facing towards West, he first turns to the right and then to the left. Now which direction is he going?

- (a) North (b) South
(c) East (d) West

RPF Constable 17.01.2019 Shift : I

Ans : (d)



It is clear from the picture that Shyam is going towards West in his last position.

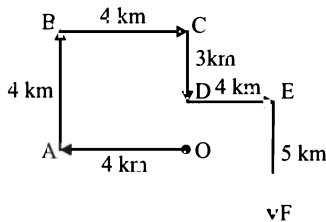
12. A man starts from point O and walks 4 km towards West direction and reach point A, then turns right and walks 4 km and reach point B, he again turns to the right and walks 4 km and reach point C. After that turn right and walks 3 km and reach point D, now he turns to the left and walks 4 km and reach point E, he again turns to the right and walks 5 km and reach point F.

At point B, that man is facing towards _____ direction.

- (a) South (b) West
(c) East (d) North

RRB Group-D – 07/12/2018 (Shift-III)

Ans : (d)



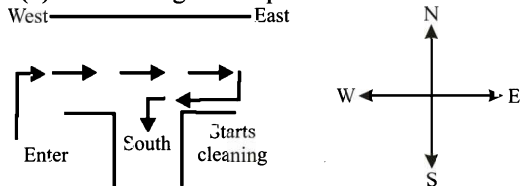
It is clear from figure that man is facing towards North direction.

13. Meet is cleaning a gallery, whose entrance is towards the West. While entering the gallery, he starts walking in the opposite direction and then turned to his face towards entrance and started cleaning on his left. In which direction did he start cleaning?

- (a) South (b) West
(c) North (d) East

RPF SI 19.12.2018 Shift : I

Ans. (a) : According to the question



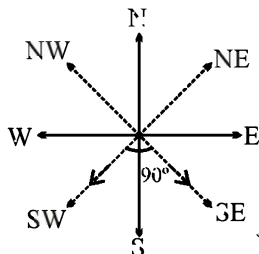
He start cleaning in the South direction.

14. Parvati was going towards South-East direction. She turned 90° right and she continued to walk, so what direction was she walking?

- (a) North-West (b) South-West
(c) South-East (d) North-East

RRB Group-D – 05/12/2018 (Shift-I)

Ans : (c)



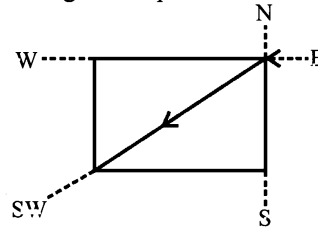
Hence, Parvati was walking towards to South-West.

15. K is facing towards West while entering into a rectangular hall. Then he moves diagonally (On the diagonal) to go to the left corner of the room. Which direction is he moving now?

- (a) North-East (b) East-West
(c) South-West (d) South-East

RRB Group-D – 04/12/2018 (Shift-III)

Ans. (c) According to the question –



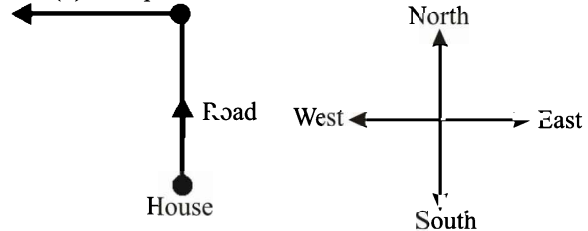
Hence, K is moving in the South-West direction.

16. After coming out of his house, Z crosses a road. On reaching the other side, he turns left and walks straight. If he is now facing West, then in which direction will he be before crossing the road?

- (a) South (b) North
(c) East (d) West

RRB Group-D – 03/12/2018 (Shift-III)

Ans. (a) : Z's path follows as -



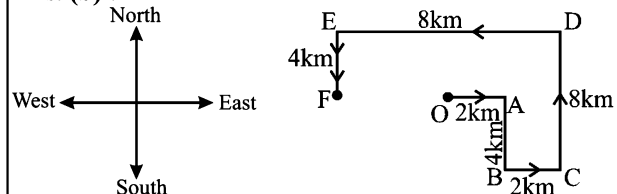
So he will be in the South direction before crossing the road.

17. From point O, facing towards east, a person travels 2 km to reach point A, then turns right and travels 4 km to reach point B, then turns left and travels 2 km to reach point C, then turns left and travels 8 km to reach point D, then turns left and travels 8 km to reach point E, then turns left and travels 4 km to reach point F. In front of which direction is the person at point F.

- (a) West (b) South
(c) North (d) East

RPF SI 19.12.2018 Shift : III

Ans. (b) :

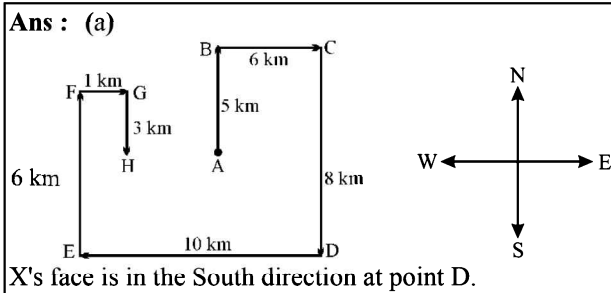


Hence, F is in front of South direction at point F.

18. Mr. X starts marathon race from point A. He runs 5 km towards North and reach point B, then turns right and runs 6 km and reach point C, then turns right and runs 8 km and reach point D, then turns right and runs 10 km and reach point E. Then turn right and runs 6 km and reach point F, then turn right and runs 1 km and reach point G, then turn right and run 3 km and reach point H. In which direction is Mr. X's face at point D?

- (a) South (b) North
(c) West (d) East

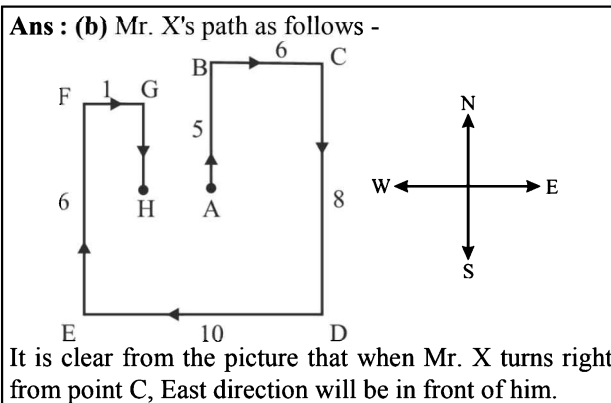
RRB Group-D – 15/11/2018 (Shift-II)



19. Mr. X runs in a marathon starting at point A. He runs 5 km in North direction and reaches point B, then turns right and runs 6 km and reaches point C, then turns right and runs 8 km and reaches point D, then turns and runs 10 km and reaches point E, then turn right and runs 6 km reaches point F, then turns right and run 1 km and reaches point G, then turn right and runs 3 km and reaches point H. If Mr. X turns right at point C, then which of the following direction will be in front of him at point G?

- (a) North (b) East
(c) South (d) West

RPF Constable 17.01.2019 Shift : III



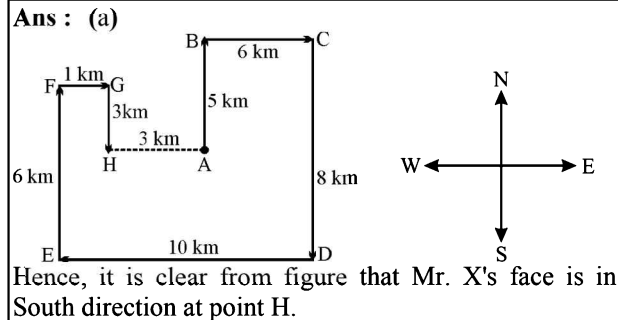
20. Mr. X starts marathon race from point A. He runs 5 km towards North and reaches point B, then turns right and runs 6 km and reaches point C, then turns right and runs 8 km and reaches point D, then turns right and runs 10

km and reaches point E, then turn right and runs 6 km reaches point F, then turns right and run 1 km and reaches point G, then turn right and runs 3 km and reaches point H.

In which direction is Mr. X's face at point H?

- (a) South (b) West
(c) North (d) East

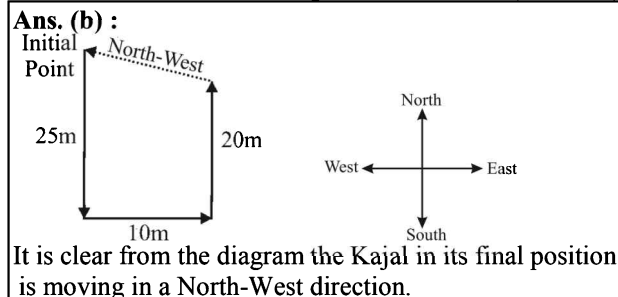
RRB Group-D – 05/11/2018 (Shift-II)



21. Kajal walks 25 m to the south of her house, turns left and goes another 10 m. Then turning to the north, she goes 20 m and then starts walking to her house. In which direction is she walking now?

- (a) South-East (b) North-West
(c) East (d) North

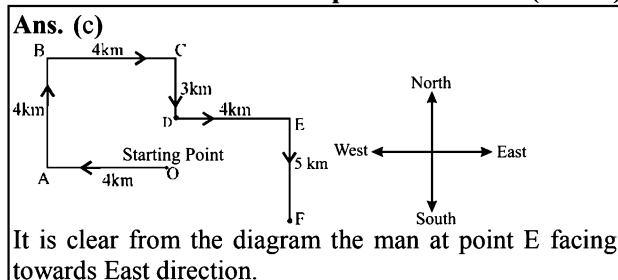
RRB Group-D – 05/11/2018 (Shift-III)



22. From point 'O' facing West, a person walks 4 km to reach point A, then from there he walks 4 km to the right and reaches point B, then he walks 4 km to the right and reaches point C, turning to the right. He walks to 3 km of point D, turns left and walks 4 km to reach point E, turns right and walks 5 km to reach point F. The man at point E stands facing the direction _____.

- (a) North (b) West
(c) East (d) South

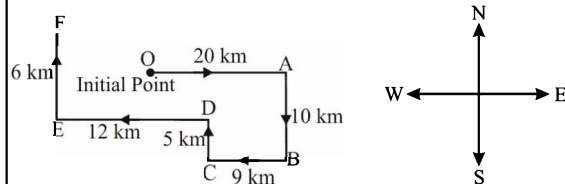
RRB Group-D – 12/12/2018 (Shift-I)



23. A person starts from point 'O' and travels 20 km East to reach point A, then he turns to the right and travels 10 km to reach point B then he turns to right and travels 9 km to reach point C. He then turns to the right and travels 5 km to reach point D and then he turns to the left and travels 12 km to reach point E, and finally he turns to the right and travel 6 km to reach point F, In which direction is that person at point E?
- (a) North (b) South
(c) East (d) West

RRB Group-D – 11/12/2018 (Shift-I)

Ans. (d) : The sequence of walking of a person is as follows.



Hence, it is clear from the diagram that the person is facing west direction at point E.

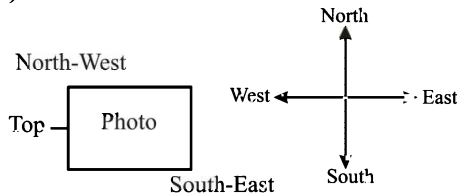
24. Mallika is cleaning her friend's farmed photo in her room she laid it on the floor.

The top of the photo is to the West. She starts cleaning from the south-east corner of the photo and goes directly in the opposite direction through the diagonal. In which direction is her hand now?

- (a) East-North (b) West-East
(c) North-West (d) South-West

RRB Group-D – 11/12/2018 (Shift-I)

Ans. (c) :



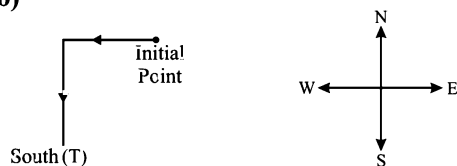
Hence, it is clear from the diagram that Mallika's hand is in North-West direction.

25. Coming out of his house T reached the opposite side of the road. On reaching the other side, T turned left and went straight. If T is in south direction, then from which direction T turns towards South?

- (a) East (b) West
(c) South (d) North

RPF Constable 18.01.2019 Shift : I

Ans : (b)

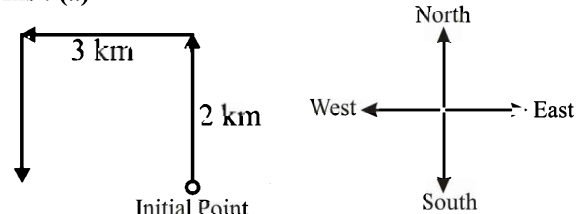


Hence, 'T' turned towards South direction from West direction.

26. A Jawan (soldier) walks 2 km towards North direction, then turns left and walks 3 km, again he turns left and walks continuously. In which direction is he moving now?
- (a) South (b) North
(c) West (d) East

RPF SI 24.12.2018 Shift : I

Ans : (a)



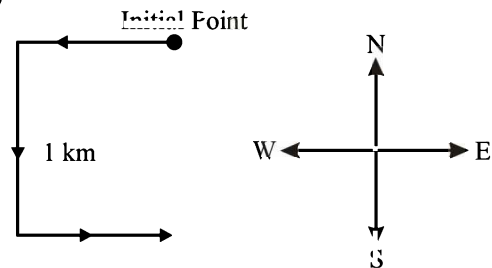
Hence the soldier is now moving in the South direction.

27. Nina starts cycling in the opposite direction of the sun in the morning. She then turns to the left and after cover a distance of 1 km again turns to the left. Now, in which direction is she facing?

- (a) South (b) North
(c) West (d) East

RRB Group-D – 19/09/2018 (Shift-I)

Ans : (d)



It is clear from the diagram that Nina is in East direction.

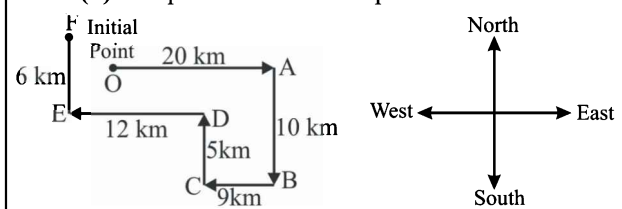
28. A man starts from point 'O', travels 20 km towards East to reach point 'A', turns right and travels 10 km to reach point 'B', turns right and travels 9 km to reach point 'C', turns right and travels 5 km to reach point 'D', turns left and travels 12 km to reach point 'E' and then turns right and travels 6 km to reach point 'F'.

In which direction is the man facing now ?

- (a) West (b) North
(c) East (d) South

RRB ALP & Tec. (30-08-18 Shift-III)

Ans : (b) The persons movement path is follow as –



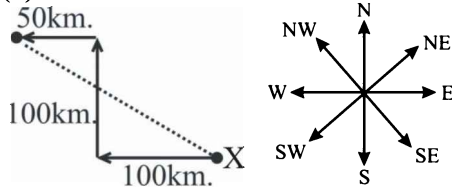
Therefore, It is clear from the diagram that the person facing towards the North direction.

29. X leaves his house facing west, after driving 100 km in same direction, he turns right and again drives 100 km. Then he turns left and drives 50 km. In which direction is X facing in relation to his starting point?

- (a) North east (b) South east
(c) South west (d) North west

RRB ALP & Tec. (10-08-18 Shift-III)

Ans : (d)



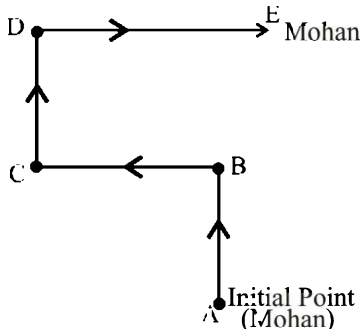
The direction of X is facing in North-West direction related to his initial point.

30. Mohan proceeded some distance and turned left. Then he turns twice to the right, he is facing east. In which direction did he start moving?

- (a) South (b) South-West
(c) North (d) South-East

RRB JE - 30/05/2019 (Shift-III)

Ans : (c)



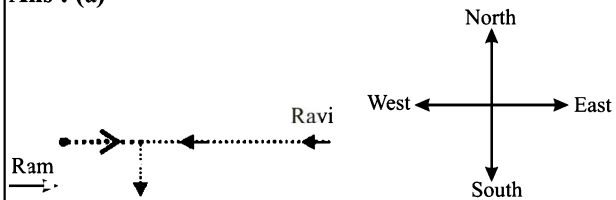
So, it is clear from the diagram that Mohan started moving in North direction.

31. Ram faces towards the East and Ravi walks towards him, facing Ram. Ravi turns left. Which direction is Ravi facing now?

- (a) South (b) South-East
(c) South-West (d) East

RRB JE - 25/05/2019 (Shift-I)

Ans : (a)



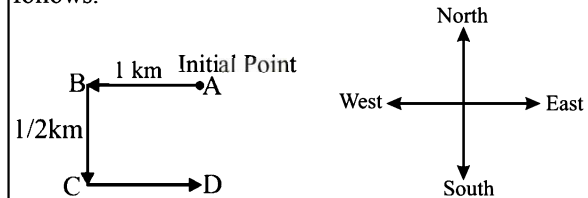
So, Ravi is now facing towards South.

32. A person starts walking from a place. After walking one kilometer, he turns left. Then after walking half a kilometer, he again turns left. If he is going towards East, then in which direction did he start walking?

- (a) East (b) North
(c) South (d) West

RRB JE - 25/05/2019 (Shift-II)

Ans : (d) The order of walking of a person is as follows.



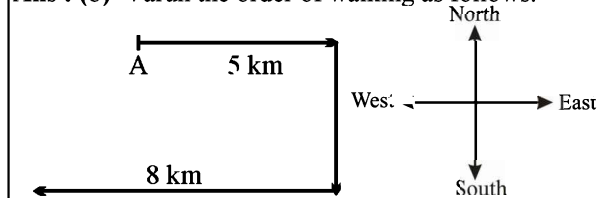
So the person started walking towards West direction.

33. Varun walked 5 km from point A and turned twice to the right and on turning each time, 8 km walked towards West. In which direction did he start from point A?

- (a) West (b) East
(c) South (d) North

RRB JE - 02/06/2019 (Shift-III)

Ans : (b) Varun the order of walking as follows.



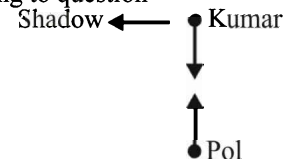
Hence, it is clear that the Varun started walking towards East direction from point A.

34. A morning after sunrise, Kumar was standing in a field facing a towards pole. The shadow of the pole falls on the right side. Which direction was he facing?

- (a) West (b) None of the above
(c) East (d) South

RRB JE - 22/05/2019 (Shift-III)

Ans : (d) According to question



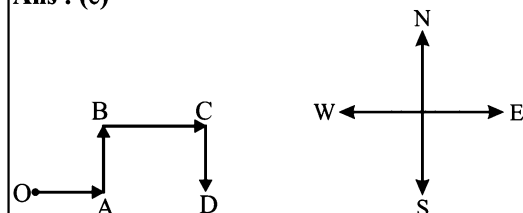
After sun rise (in the morning) the shadow falls towards the west, So Kumar stands facing towards the South.

35. Ramya walks towards East and turns to her left. She turns twice to the right. In which direction is she moving now?

- (a) South-East (b) East
(c) South (d) South-West

RPF Constable 18.01.2019 Shift : III

Ans : (c)



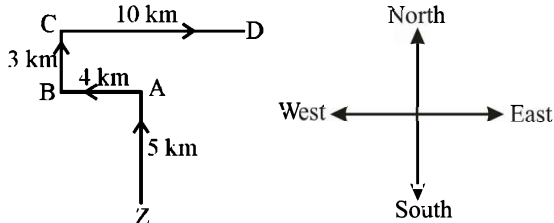
So the Ramya walking towards South direction.

36. Mr. Z who is facing towards East and turns left and after walking 5 km reach point A. Then to reach point B, they turn left and walk 4 km. After that they turn right and travel 3 km and reach at point C. Again turn right and travel 10 km and reach at point D. In which direction is Mr. Z from his starting place?

- (a) West (b) North-West
(c) North (d) North-East

RRB Group-D – 30/10/2018 (Shift-II)

Ans : (d)



So Mr. Z is in North-East direction from his initial place.

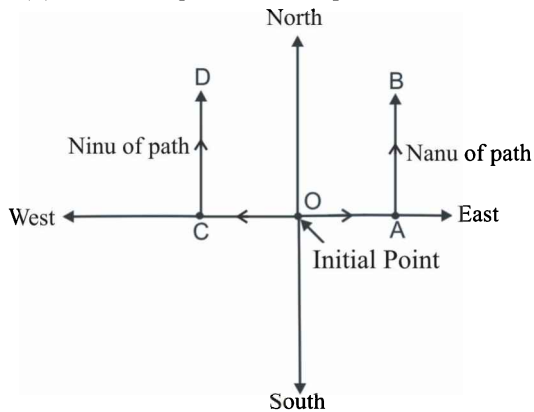
Type - 2

37. Nanu and Ninu start cycling early in the morning in the opposite direction to each other. Nanu goes in the direction of Sun. After sometime, Nanu turns left and Ninu turns right. Now they are travelling parallel to each other. In which direction are they travelling?

- (a) West (b) South
(c) East (d) North

RRB Group-D – 19/09/2018 (Shift-II)

Ans. (d) : According to statement path is as follows-



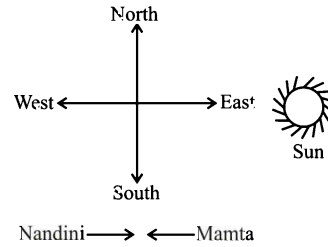
It is clear from the above diagram that now both (Nanu and Neenu) are travelling towards North.

38. Mamta and Nandini are playing chess in the morning. If Nandini is looking towards the sunrise while she is playing, in which direction is Mamta looking?

- (a) East (b) South
(c) West (d) North

RRB Group-D – 20/09/2018 (Shift-II)

Ans : (c)



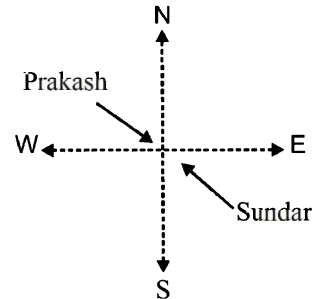
If Nandini is looking East, then Mamta is looking towards the West direction because both are sitting face to face.

39. Sunder and Prakash are playing carrom. If Prakash's faces is in South-East direction, then in which direction is his competitor Sunder's face?

- (a) South-East (b) North-East
(c) South-West (d) North-West

RRB Group-D – 08/10/2018 (Shift-II)

Ans: (d)



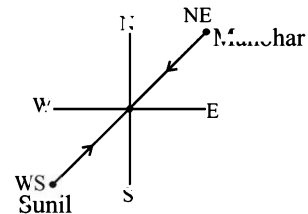
It is clear from the diagram that, if Prakash's face of light is in the South-East direction, then Sunder's face will be in North-West direction.

40. Sunil and Manohar are playing carrom. If Sunil looks towards North-East, then in which direction will his opponent Manohar look?

- (a) North-East (b) South-West
(c) North-West (d) South-East

RPF SI 05.01.2019 Shift : I

Ans. (b) :



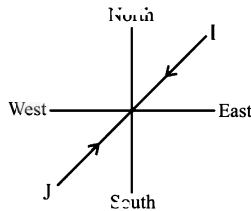
When Sunil looks towards North-East direction then Manohar will look towards South-West direction.

41. I and J both are stand facing towards each other. 'I' stands facing towards South-West. Towards with direction is J facing with respect to I?

- (a) South-East (b) South-West
(c) East-North (d) North-West

RRB Group-D – 05/10/2018 (Shift-I)

Ans. (c) :



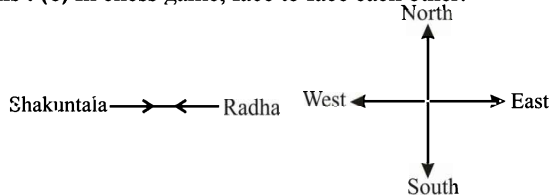
It is clear from the diagram that J will stand facing towards East-North direction with respect to I.

42. Shakuntala is facing towards East. She is playing chess in the standard chess meeting posture with Radha. Which direction is Radha facing now?

- (a) North (b) South
(c) West (d) East

RRB Group-D – 03/12/2018 (Shift-II)

Ans : (c) In chess game, face to face each other.



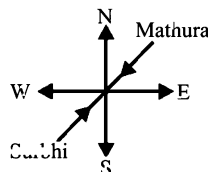
If Shakuntala's face is towards East direction. Then Radha's face will be towards West direction.

43. Surabhi and Mathura playing are Carrom in the standard sitting position of the game. If Surabhi is facing north-east direction, then which direction is her competitor Mathura facing?

- (a) South-West (b) North-West
(c) South-East (d) North-East

RRB Group-D – 05/11/2018 (Shift-III)

Ans : (a)



If it is clear from the diagram that Mathura, is facing in the South-West direction.

44. Naresh and Rajesh are cycling in opposite to direction each other. If Naresh was going in the east direction then in which direction was Rajesh.

- (a) West (b) South
(c) East (d) North

RRB Group-D – 11/10/2018 (Shift-III)

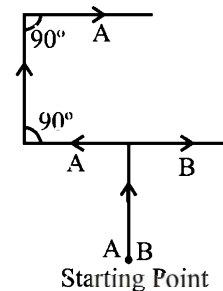
Ans. (a) Naresh and Rajesh are cycling in opposite direction to each other, Naresh is going in east direction then Rajesh was going in West direction.

45. A and B go on a cycle tour. They begin the journey facing towards North. After some time A turns to the left and B turns to the right. After covering a distance of one km. A turns twice 90° towards left. In which direction are A and B travelling now?

- (a) A : North, B : East
(b) A : East, B : East
(c) A : South, B : East
(d) A:North, B : West

RRB Group-D – 03/12/2018 (Shift-II)

Ans : (b)



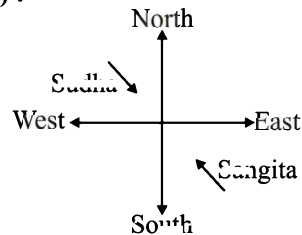
Hence, A and B are travelling in the same direction towards East.

46. Sangita was facing towards north-west direction. If she was playing carrom with Sudha in the standard sitting pattern, in which direction was Sudha facing.

- (a) North-west (b) North-east
(c) South-east (d) South-west

RRB Group-D – 02/11/2018 (Shift-III)

Ans. (c) :



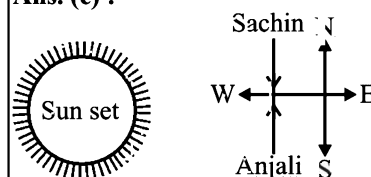
In the game of carrom if Sangita was facing to North-West direction then Sudha will be facing South-East direction.

47. Sachin and Anjali were talking to each other face to face at the railway platform crossing before one sunset. If Anjali's shadow was exactly to the left of Sachin, then in which direction Sachin stood facing?

- (a) East (b) North
(c) South (d) West

RRB Group-D – 10/12/2018 (Shift-I)

Ans. (c) :



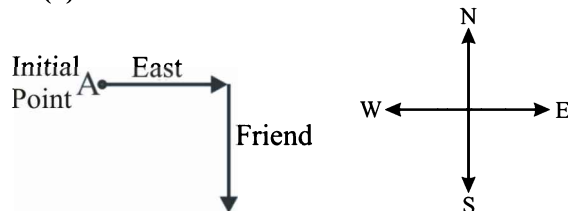
If it is clear from the diagram that if Anjali's shadow was to the left of Sachin, then Sachin's face would be towards the South.

48. A stand at the entrance of the mall waiting for his friend to come. He is facing east. After that turns his head to the right to see that his friend has arrived. In which direction is he expecting his friend to come?

- (a) West (b) South
(c) North (d) East

RPF SI 05.01.2019 Shift : II

Ans. (b) :



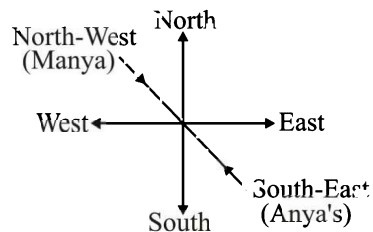
Initially he stand facing towards East and turns his head to the right to look at his friend, so it is clear that his friend is coming from the South direction.

49. Anya and Manya are stand facing to each other. Anya's face is in the North-West. In which direction is Manya's face with respect to Anya's?

- (a) North-East (b) South-West
(c) South-East (d) North-West

RRB Group-D – 01/10/2018 (Shift-III)

Ans : (c)



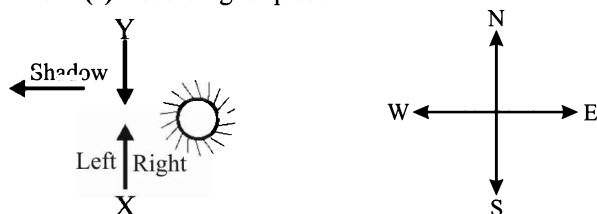
It is clear from the diagram that face of Manya in relation to Anya is in the South-East direction.

50. In the morning, X and Y walk towards each other in a park. When they meet, then Y's shadow falls toward the left side of X. In which direction was X facing?

- (a) South (b) West
(c) North (d) East

RRB ALP & Tec. (14-08-18 Shift-III)

Ans : (c) According to question-



It is clear from the diagram that X's face is toward North direction and Y's face is toward South direction.

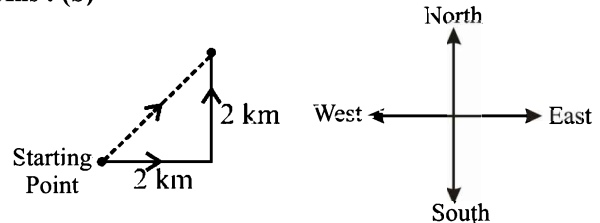
Type - 2

51. Akhil walks for a distance of 2 km towards East and then turns left and walks 2 km. In which direction is he from his initial position?

- (a) South-East (b) North-East
(c) North-West (d) South-West

RRB Group-D – 20/09/2018 (Shift-III)

Ans : (b)



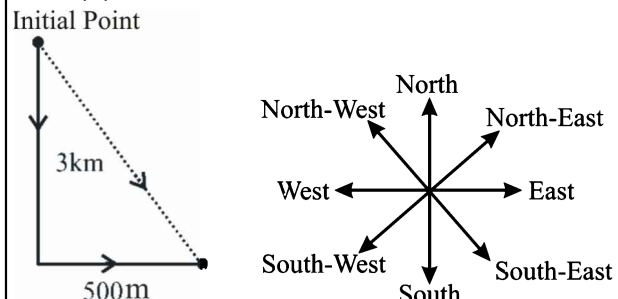
Hence, Akhil is in the North-East direction from his initial point.

52. Leela walks 3 km towards South. At a cross road she turns left and walks 500m in a cafe to the front of the road. In Which direction is she in relation to her initial position.

- (a) South-East (b) North-West
(c) North-East (d) South-West

RRB Group-D – 28/09/2018 (Shift-III)

Ans : (a)



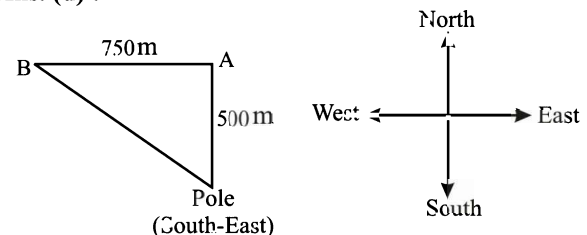
It is clear from the diagram Leela is in South-East direction in relation to her initial position.

53. A stands facing East. B stands 750 m far in West of A. There is a pillar at 500 m to right of A. In which direction is the pillar with respect to B's position?

- (a) North-West (b) North-East
(c) South-West (d) South-East

RRB Group-D – 18/09/2018 (Shift-II)

Ans. (d) :

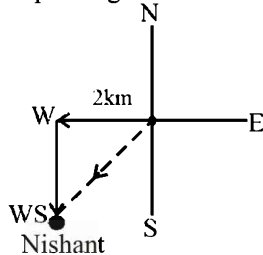


Hence, pillar is in South-East direction with respect to B's position.

54. Nishant walks 2 km towards West. At crossroad he turned left and reached a grocery store. In which direction is grocery store from Nishant's initial position?
- (a) South-East (b) North-West
(c) North-East (d) South-West

RRB Group-D – 19/09/2018 (Shift-III)

Ans. (d) : Nishant positing is as follows -

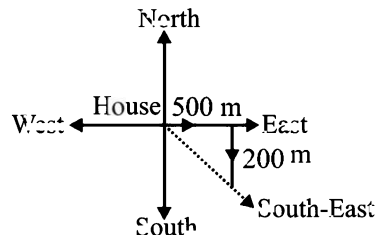


Grocery store is in South-West direction.

55. Mannu and Pinki leave home for the market. Both first travel 500 meters in the east direction and then turn right and reach at laundry after walking 200 meters. In which direction is the laundry located from their home?
- (a) South-East (b) South-West
(c) East-West (d) North-West

RRB Group-D – 20/09/2018 (Shift-I)

Ans. (a) :

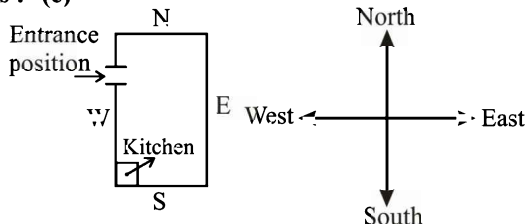


It is clear from the diagram that laundry is located in the South-East direction from their home.

56. Penny's house is West facing. On entering her house you will find the kitchen on the right. In which direction is the kitchen located in the context of entrance.
- (a) North-West (b) North-East
(c) South (d) North

RRB Group-D – 25/09/2018 (Shift-I)

Ans : (c)

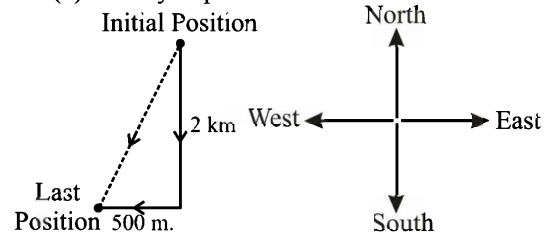


From the diagram it is clear that panny's kitchen is located in the South direction with reference to her entrance.

57. Sukanya walks for a distance of 2 km towards the South and then she turns to the right and walks 500 m. In which direction is she from her initial position?
- (a) South-West (b) North-West
(c) South-East (d) North-East

RPF Constable 19.01.2019 Shift : III

Ans : (a) Sukanya's position is as follow-

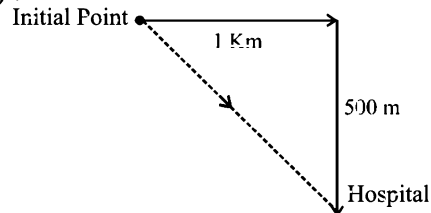


Hence from the diagram that Sukanya is in South-West direction from her initial position.

58. Nayan walks 1 km to East. He turned right at a crossroad and walked 500 meters to reach the hospital. In which direction is hospital from the initial position of Nayan?
- (a) North-East (b) North-West
(c) South-East (d) South-West

RRB Group-D – 25/09/2018 (Shift-III)

Ans. (c) :

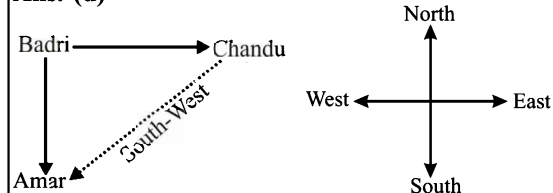


From the diagram it is clear that hospital is in the South-East direction from Nayan starting point.

59. If Amar is in South of Badri and Chandu is in East of Badri. In which direction is Amar with respect to Chandu?
- (a) South-East (b) North-West
(c) North-East (d) South-West

RRB Group-D – 05/12/2018 (Shift-II)

Ans. (d)

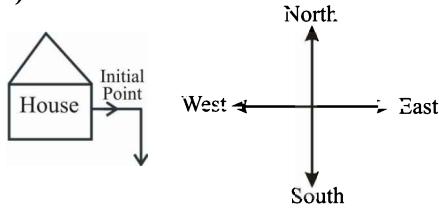


From the diagram it is clear that Amar is in South-West direction with respect to Chandu.

60. After coming out of her house Anita crossed a road. On reaching the other side, she turned to the right and went straight. If she is now facing South, then before crossing the road, which direction was she facing?
- (a) South (b) North
(c) West (d) East

RRB Group-D – 05/12/2018 (Shift-III)

Ans : (d)



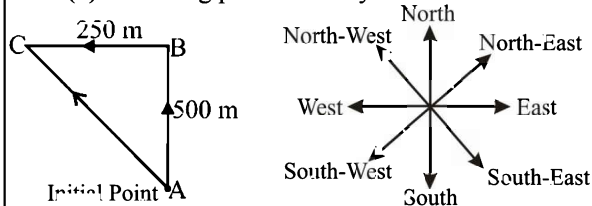
From the diagram it is clear that she was facing East direction before crossing the road.

61. Aadhya walks 500 m towards North and turns left and walks 250 m. In which directions is she with respect to her initial position.

- (a) North-West (b) South-East
(c) North-East (d) South-West

RRB Group-D – 18/09/2018 (Shift-I)

Ans. (a) : Walking path of Aadhya is as follow -



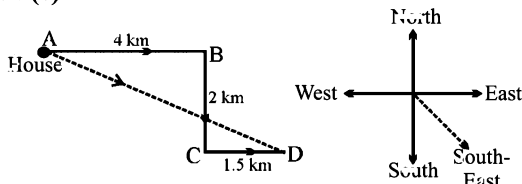
From the diagram it is clear that Aadhya is in North-West direction of his initial position.

62. Shiva walked 4 km from his house towards East and turned towards south and walked 2 km. Finally, he walked 1.5 km towards East. Now in which direction is he from his house?

- (a) South-West (b) North-West
(c) South-East (d) North-East

RRB JE - 27/06/2019 (Shift-III)

Ans : (c)



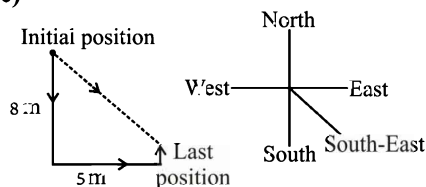
Hence, Shiva is in South-East direction of his house.

63. Balaji walks 8 meter straight and then turns left and walks 5 meters. He then turns left and now north is in front of him. Now in which direction is he from the starting point?

- (a) North-East (b) South-West
(c) South-East (d) North-West

RPF SI 05.01.2019 Shift : III

Ans : (c)



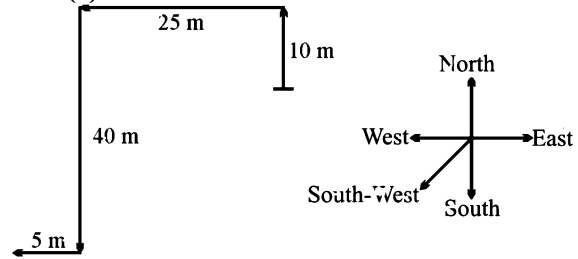
Hence, he is in South-East direction from his initial position.

64. Raj walks 10 meter from his home towards North, turns left and walks 25 meter, then turn left walks 40 meter, then turns right and walks 5 meter to reach the school. In which direction is school from his home?

- (a) North-West (b) South-West
(c) North-East (d) South-East

RRB JE - 26/06/2019 (Shift-III)

Ans : (b)



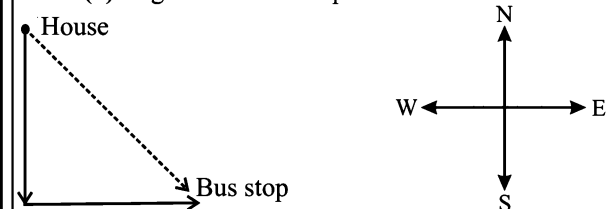
Hence, Raju's school from home will be in South-West direction.

65. Raghu walks straight from his house to go to bus stop. After walking some distance, he turned toward left and reached to the bus stop, which is in the East direction. Find the direction of the bus stop from his house.

- (a) South-West (b) North-West
(c) North-East (d) South-East

RPF Constable 20.01.2019 Shift : I

Ans : (d) Raghu's movement path is follows as -



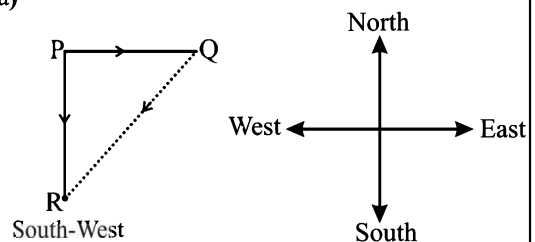
Hence, it is clear from the diagram that the bus stop from Raghu's house is in the South-East direction.

66. Three friends- P, Q and R are living in the same area. Q's house is to the east of P's house and R's house is to the South of P's house. What is the direction of R's house with respect to the house of Q?

- (a) South-West (b) North-West
(c) South (d) North

RRB JE - 25/05/2019 (Shift-II)

Ans : (a)

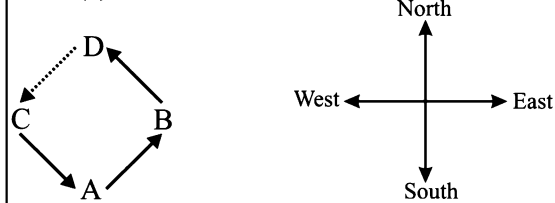


Hence, it is clear that the house of 'R' is in the South-West direction with respect to the house of 'Q'.

67. 'A' is to the South-East of 'C', B is in East of 'C' and North-East of 'A'. If D is to North of 'A' and North-West of 'B'. Then what is the direction of 'C' with respect to 'D'?
- (a) North-East (b) South-West
(c) North-West (d) South-East

RRB JE - 25/05/2019 (Shift-II)

Ans : (b)

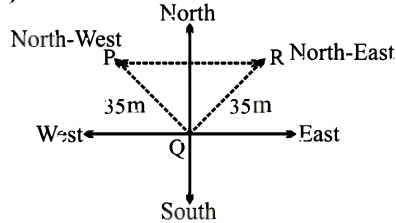


Hence direction of 'C' is South-West with respect to 'D'.

68. P is 35 m from 'Q' in the North-West direction and R is 35 m North-East from 'Q'. What is the direction of P with respect to R?
- (a) West (b) South
(c) North (d) East

RRB JE - 31/05/2019 (Shift-II)

Ans : (d)

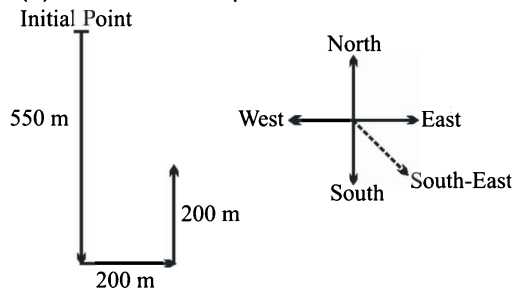


Hence 'P' is in east direction with respect to 'R'.

69. Sai walks 550 m towards South direction and then turns left and walks 200 m. Again he turns left and walks 200 meter. Now in which direction is he from the starting point?
- (a) West (b) North
(c) South-East (d) South

RRB JE - 02/06/2019 (Shift-III)

Ans : (c) Sai's movement path is follows as -

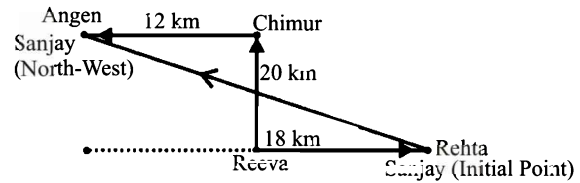


Hence, it is clear from diagram that he is in South-East direction from the starting point.

70. Village Chimur is 20 km North of village Rewa. Village Rehata, is at a distance of 18 km is in east of village Rewa. Village Angen is at 12 km in West of Chimur. If Sanjay starts walking from village Rehata to village Angen, then in which direction is he from his starting point?
- (a) South-East (b) North-West
(c) South (d) North

RRB JE - 22/05/2019 (Shift-III)

Ans : (b) According to question



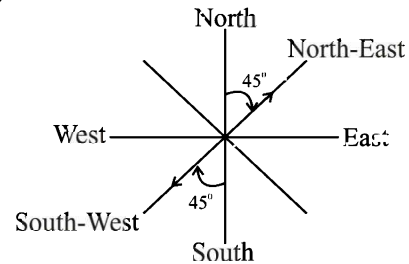
Hence, from the diagram it is clear that Sanjay is in North-West direction from his initial point.

Type - 4

71. If South becomes South-West, then what will be North?
- (a) South-West (b) South-East
(c) North-East (d) North-West

RRB Group-D - 17/09/2018 (Shift-I)

Ans : (c)

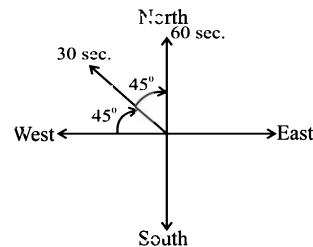


South turns South-West by turning 45° clockwise then North turn North-East by turning 45° clockwise.

72. A battery operated toy turns 45° clockwise in every 30 seconds. The toy faces West and start. At the end of 60 seconds, which direction will it face?
- (a) West (b) North
(c) South (d) East

RRB Group-D - 20/09/2018 (Shift-II)

Ans : (b)

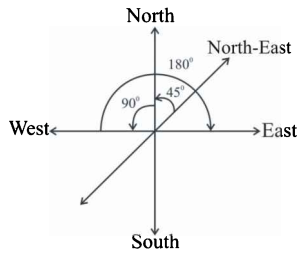


Hence, it is clear that the toy will be facing towards North at the end of 60 seconds.

73. Shravan is looking towards North-East. First it rotates 45° , then 90° anti clockwise and then turns 180° clockwise. In which direction is he looking now?
- (a) North (b) South
(c) West (d) East

RPF Constable 20.01.2019 Shift : II

Ans : (d)



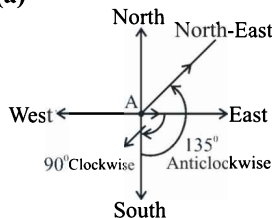
Hence, Now he is looking in East direction.

74. Anil is facing towards East. After that he rotates 90° clockwise and then 135° anticlockwise. Towards which direction is he facing now?

- (a) North-East (b) North
(c) South-East (d) West

RRB Group-D – 03/10/2018 (Shift-I)

Ans : (a)



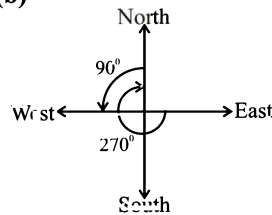
Hence now Anil is facing North-East direction.

75. If Raja stands facing east and he first rotates first 270° clockwise and then rotates 90° anticlockwise then in which direction does he stand facing?

- (a) South (b) West
(c) North (d) East

RPF SI 06.01.2019 Shift : I

Ans : (b)



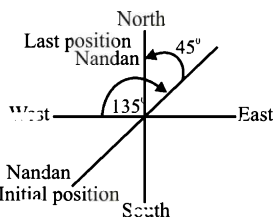
Hence, now Raja is facing West direction.

76. Nandan's face is towards West. He turns 135° clockwise and then turn 45° anti-clockwise. Now in which direction is his face now?

- (a) South (b) West
(c) North (d) East

RRB Group-D – 03/10/2018 (Shift-III)

Ans : (c)



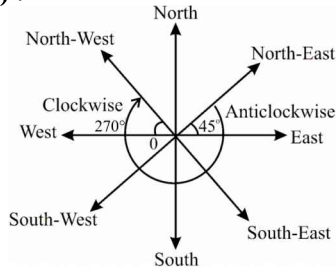
Hence now Nandan's face is towards North direction.

77. Suresh stands facing towards East. He rotates 45° anti-clockwise and then 270° clockwise. Now in which direction is his face?

- (a) North-East (b) North-West
(c) South-East (d) South-West

RRB Group-D – 16/10/2018 (Shift-I)

Ans. (b) :



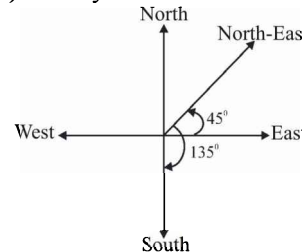
It is clear from the diagram now suresh's face is in North-West direction.

78. Sandhya and Ramani were facing towards East direction. Sandhya turns 45° Anti clockwise and then 135° clockwise direction. How much will Ramani have to turn around to face opposite Sandhya?

- (a) 180° anticlockwise (b) 180° clockwise
(c) 135° anticlockwise (d) 90° anticlockwise

RPF SI 06.01.2019 Shift : II

Ans : (d) Sandhya and Ramani facing towards East.



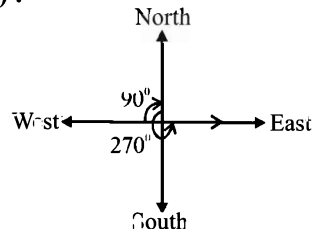
Hence Sandhya turns 45° anticlockwise and then 135° clockwise and will facing towards South direction. Therefore Ramani has to rotate 90° anticlockwise to face toward the opposite of Sandhya.

79. During the morning yoga, John is facing towards the west. He rotates in 90° clockwise and then 270° anticlockwise. Now in which direction is he?

- (a) East (b) West
(c) North (d) South

RRB Group-D – 22/09/2018 (Shift-III)

Ans. (a) :



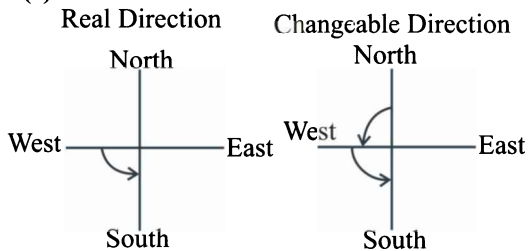
John will turn 90° clockwise from the West and will face to North direction and after turning 270° anticlockwise, he will face to East direction.

80. If West becomes South, then what will be North?

- (a) East (b) South
(c) West (d) North

RRB Group-D – 05/10/2018 (Shift-I)

Ans. (c) :



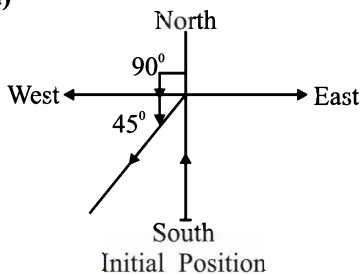
Just as the West is rotating 90° anticlockwise and become South. In the same way the North will rotate 90° anticlockwise North and become West.

81. Leena goes on long drive. After some time she turns 90° to the left and then, turns right at 45° and enter into bilen. Now in which direction is she facing ?

- (a) South-West (b) South-East
(c) North-East (d) North-West

RRB Group 'D' 07/12/2018 (Shift-I)

Ans : (a)



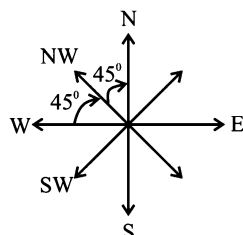
Hence it is clear that now she is facing towards South-West direction.

82. If North-West becomes North then what will be West?

- (a) South-East (b) North-West
(c) North (d) West

RRB Group-D – 06/12/2018 (Shift-II)

Ans. (b) :



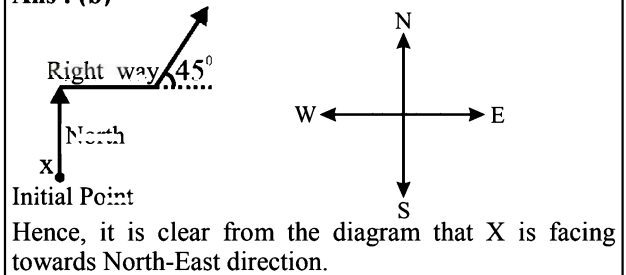
Just as North-West becomes North, In the same way West will become North-West. Because the change of direction is 45° clock direction.

83. X starts cycling in front of North. After some time X turns to the right and then he turns 45° to his left. Now his facing direction?

- (a) North-West (b) North-East
(c) South-West (d) South-East

RRB Group-D – 05/12/2018 (Shift-I)

Ans : (b)



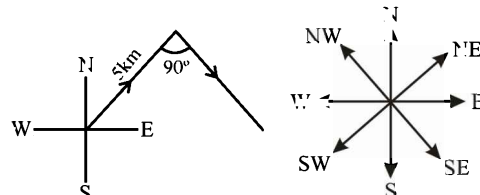
Hence, it is clear from the diagram that X is facing towards North-East direction.

84. Bandana is going towards the North-East direction. After walking 5 km she turns right at 90° . Which direction is he going now?

- (a) North-East (b) South-East
(c) North-West (d) South-West

RRB Constable 20.01.2019 Shift : III

Ans : (b) Vandana's trajectory is as follows-



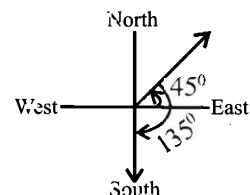
Hence now she is walking towards South-East direction.

85. Anuj was facing East during Surya namaskar in the morning. Turned 45° in anticlockwise direction and then turn 135° in clockwise. Now in which direction is Anuj facing?

- (a) East (b) West
(c) South (d) North

RRB Group-D – 05/12/2018 (Shift-III)

Ans : (c)



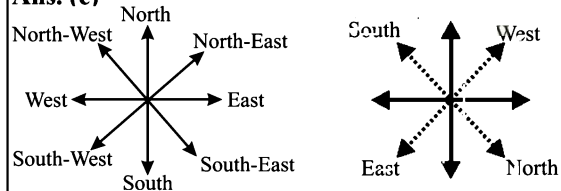
Hence Anuj now facing to South direction.

86. If South-East becomes North and North-East becomes West then in same order what will be North-West?

- (a) North-West (b) North
(c) South (d) South-West

RRB Group-D – 27/11/2018 (Shift-I)

Ans. (c)

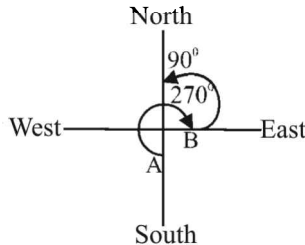


Hence, North-West will be South.

87. A person stand facing south turns clockwise 270° and turns 90° anticlockwise. Now he stands facing towards ——— direction?
 (a) East (b) North
 (c) West (d) South

RRB Group-D – 26/11/2018 (Shift-III)

Ans : (b)

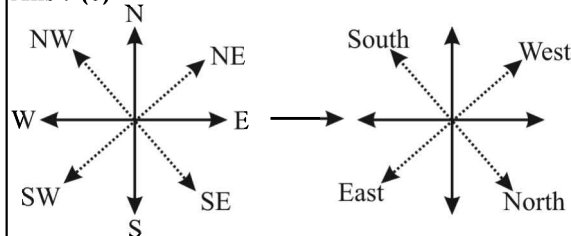


It is clear from point A to point B, he turns 270° clockwise and facing towards east and then he turns 90° anticlockwise from point B. So that he stands facing towards North direction.

88. If South-East, North and North-East (North-East) becomes West and the other directions also change in the same order, then South will be?
 (a) North (b) South-West
 (c) North-East (d) South

RRB Group-D – 16/11/2018 (Shift-I)

Ans : (c)

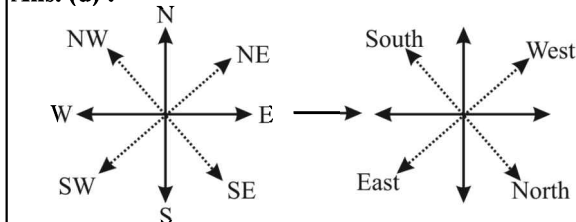


Hence South will be North-East.

89. If South-East becomes North and North-East becomes West and then same order which direction will be West?
 (a) South (b) North-West
 (c) North (d) South-East

RRB Group-D – 16/11/2018 (Shift-II)

Ans. (d) :

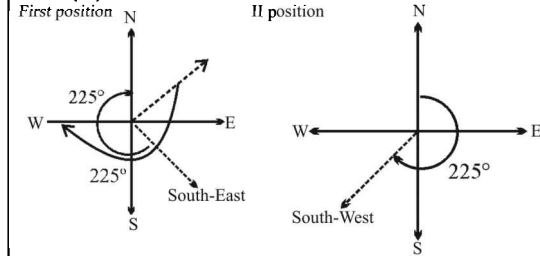


Hence the diagram it is clear that west will be South-East direction.

90. If the South-East direction becomes North and North-East direction becomes West and so all other direction change. In which direction will becomes North?
 (a) South (b) North-West
 (c) North (d) South-West

RRB Group-D – 16/11/2018 (Shift-III)

Ans. (d) :

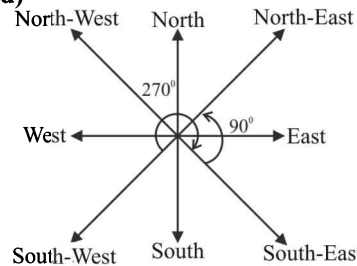


All direction are being displaced 225° clockwise. Hence then direction will displacing 225° clockwise becomes the South-West direction.

91. A person facing towards South-West is facing 270° rotates clockwise and then rotates 90° anti clockwise, now facing the direction?
 (a) South-West (b) West
 (c) East (d) North-East

RRB Group-D – 15/11/2018 (Shift-III)

Ans : (d)

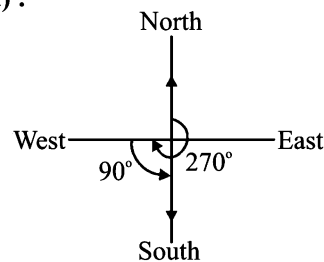


The diagram show that after moving from South-West to 270° clockwise and 90° anticlockwise after that his final position the facing will be towards North-East direction.

92. A person faces 270° clockwise direction of North and then 90° turns anticlockwise direction, now he is facing the direction.
 (a) South (b) West
 (c) North (d) East

RPF SI 06.01.2019 Shift : III

Ans. (a) :

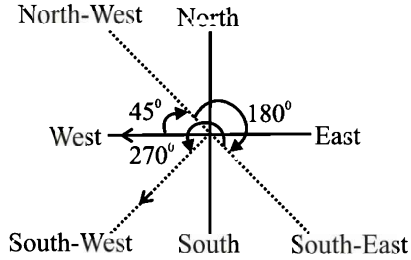


The diagram it is clear that person last position in facing south directing.

93. Nagarjuna on land a sitting place and facing towards west. First he turns 45° clockwise direction and then same direction 180° rotates, then 270° anticlockwise turns. Now he faces towards which direction?
 (a) North-West (b) South
 (c) West (d) South-West

RRB Group-D – 12/11/2018 (Shift-I)

Ans. (d) :



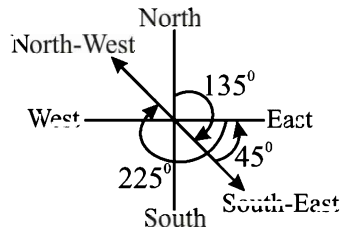
The diagram it is clear that Nagarjuna facing towards South-West direction our last position.

94. Varsha was looking Northward direction, rotating 135° clockwise, then 45° rotates anticlockwise, then again 225° clockwise direction. Which direction is he facing now?

- (a) East (b) North
(c) North-West (d) West

RRB Group-D – 02/11/2018 (Shift-II)

Ans. (c)



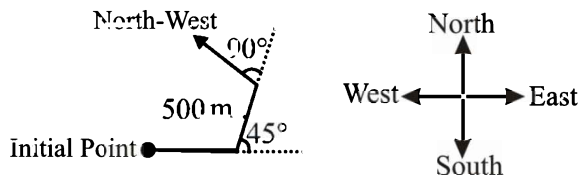
He is facing towards North-West direction.

95. A person starts walking in the direction of the rising sun, he rotates at 45° to his left walk 500 m. After that he rotates at 90° to his left and walks for a while. Which direction is he facing now?

- (a) North-East (b) North-West
(c) North (d) West

RRB Group-D – 11/12/2018 (Shift-II)

Ans : (b)



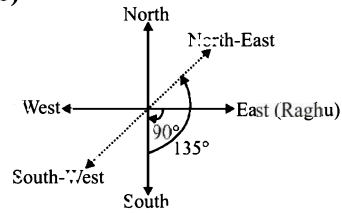
From the diagram it is clear that person facing towards North-East directing.

96. Raghu faces East in the morning, then the first turns 90° clockwise and then turns 135° anticlockwise. Now which direction is he facing?

- (a) East (b) North-East
(c) West (d) South-West

RPF Constable 22.01.2019 Shift : I

Ans : (b)



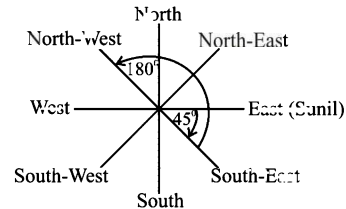
Therefore, it is clear from the picture that when Raghu rotates 90° clockwise then 135° counter clockwise his face will be towards the North-East.

97. Facing East, Sunil turns 45° clockwise and then 180° anti-clockwise. What direction is he facing now?

- (a) South-East (b) South-West
(c) North-west (d) North-East

RRB Group-D – 05/10/2018 (Shift-III)

Ans. (c)



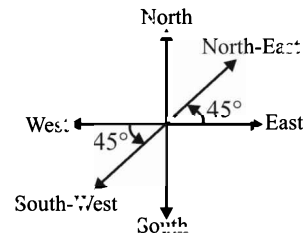
Hence, Sunil face is in North-West direction.

98. If East becomes 'North-East' on the compass, and so on. What will 'West' become?

- (a) South-East (b) South-West
(c) East (d) South

RRB Group-D – 01/10/2018 (Shift-I)

Ans. (b) :



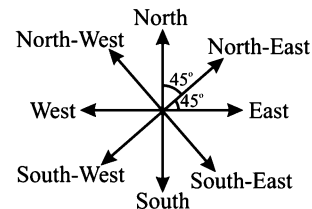
Therefore, it is clear that the West will change to the South-West.

99. If 'North-East' becomes 'North', then what will 'East' become?

- (a) North East (b) South-East
(c) North-West (d) South-West

RRB Group-D – 18/09/2018 (Shift-I)

Ans. (a) :



Just as 45° counter clockwise from North-East will get North direction, similarly 45° counter clockwise from East will get North-East direction.

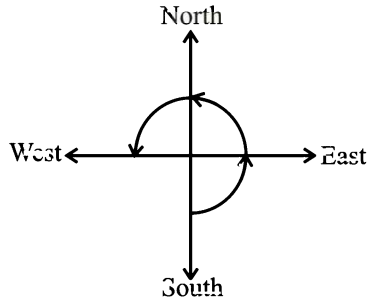
100. In a code language North = West, South = East, East = North then, In Which direction Sun rises?

- (a) East (b) West
(c) North (d) South

RPF SI 10.01.2019 Shift : I

Ans. (c) : Given,

North = West, South = East and East = North
All direction are being displaced in 90° counter clockwise direction, so the sun rise will be in North direction.

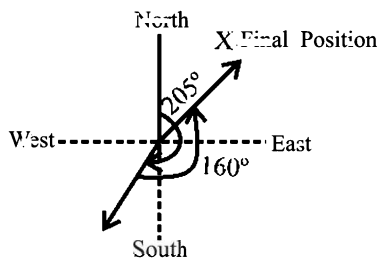


101. Facing North, X turns 205° clockwise and then 160° anticlockwise. Which direction is X facing now?

- (a) North-East (b) South - East
(c) South-West (d) North-West

RRB ALP & Tec. (31-08-18 Shift-I)

Ans : (a)



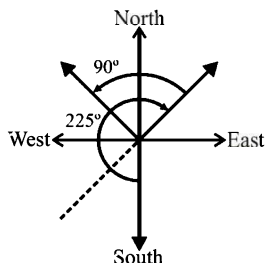
Hence, the direction of X is North-East.

102. Facing South, X turns 225° clockwise and then 90° anti-clockwise. What direction is X facing now?

- (a) South-West (b) North-East
(c) North-West (d) South-East

RRB ALP & Tec. (21-08-18 Shift-III)

Ans : (c)



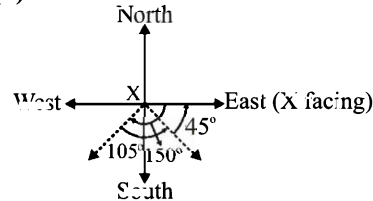
Hence, X facing North-West.

103. Facing East, X turns 150° clockwise and 105° anti-clockwise. Which direction is X facing now?

- (a) North-West
(b) South-East
(c) North-East
(d) South-West

RRB ALP & Tec. (20-08-18 Shift-I)

Ans : (b)



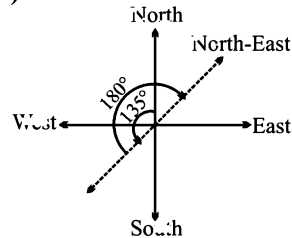
Hence, X facing South-East.

104. Moving towards North, a person turns 135° left ward and then turns 180° Southwards. What direction is he facing now?

- (a) North-West (b) North-East
(c) South-East (d) West

RRB JE - 31/05/2019 (Shift-III)

Ans : (b)



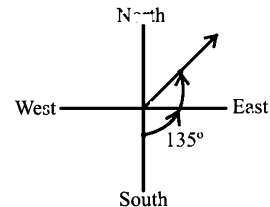
Given figure shows that person facing North-East in his final position.

105. Gautam start moving towards South, then he turns 135° to his left. What direction is he facing now?

- (a) North-East
(b) North-West
(c) South-East
(d) South-East

RRB JE - 27/05/2019 (Shift-III)

Ans : (a)



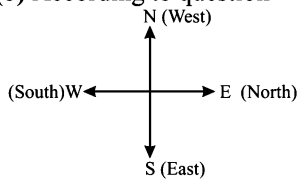
Hence the direction of Gautam is North-East.

106. If 'East' becomes 'North' and 'West' becomes 'South' and so on, then what will South become?

- (a) South (b) East
(c) North (d) West

RRB JE - 26/06/2019 (Shift-I)

Ans : (b) According to question -



Hence, South will become East.

107. A person walks towards South and turns 'Left', then he turns 45° to his left. What direction is he facing now?

- (a) North-East (b) North-West
(c) South-West (d) South-East

RPF Constable 22.01.2019 Shift : III

Ans : (a) According to question -

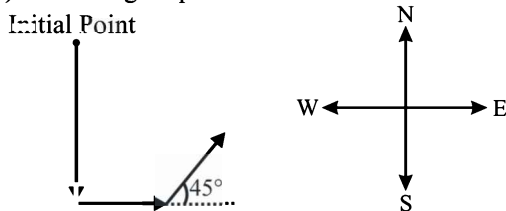


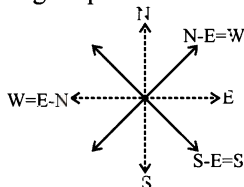
Figure shows that final position face North-East.

108. If 'North-East' becomes 'West' and 'South-East' becomes South and so on. What will 'West' become?

- (a) South-East (b) North-West
(c) South-West (d) North-East

RRB JE - 26/05/2019 (Shift-III)

Ans : (d) According to question -



Hence, West will become North-East.

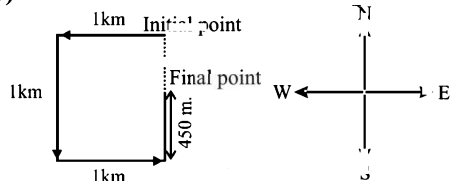
Type - 5

109. Nitara walks 1 km towards 'West' and turns 'Left' and walks 1 km, and then turns 'Left' and walks 1 km, and again turns 'Left' and walks 450 m. How far is Nitara from his original position.

- (a) 500 m (b) 700 m
(c) 550 m (d) 200 m

RRB Group-D - 28/09/2018 (Shift-III)

Ans : (c)



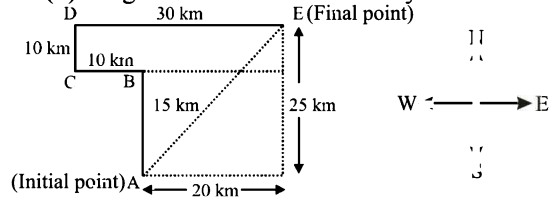
Distance from initial point = $1000 - 450 = 550$ m

110. Starting from point A, X walks 15 km towards 'North' to reach point B, from where he turns 'Left' and walks 10 km to reach point C, then he turns 'Right' and walks 10 km to reach point D. and finally he turns 'Right' and walks 30 km to reach point E. Find distance between A and E?

- (a) $6\sqrt{41}$ (b) $5\sqrt{42}$
(c) $2\sqrt{42}$ (d) $5\sqrt{41}$

RRB Group-D - 28/09/2018 (Shift-III)

Ans : (d) Diagram of distance walked by X-



Hence, distance between initial and final point.

$$AE^2 = (25)^2 + (20)^2 = 625 + 400 = 1025$$

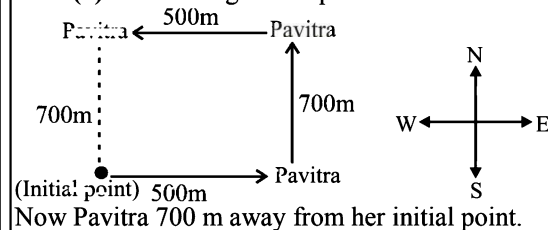
$$AE = 5\sqrt{41}$$

111. Pavitra turns 'Left' after covering 500 m distance towards 'East', and Walks 700 m. Then she turns 'Left' and walks 500 m. How far is she now from the starting point?

- (a) 1200 m (b) 700 m
(c) 200 m (d) 500 m

RRB Group-D - 19/09/2018 (Shift-III)

Ans. (b) : According to the question -

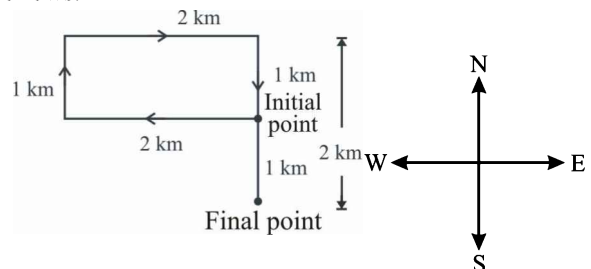


112. Nikita walks 2 km towards 'West' and walks 1 km after turning 'Right'. She again turns 'Right' and walks 2 km. She again turns 'Right' and walks 2 km. How far is she now from her starting point.

- (a) 1 km (b) 5 km
(c) 4 km (d) 2 km

RRB Group-D - 24/09/2018 (Shift-I)

Ans : (a) Diagram of distance travelled by Nikita is as follows.



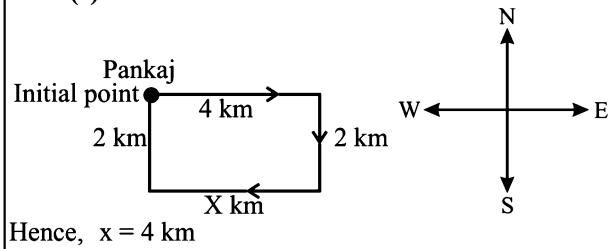
Distance from initial to final point = 1 km

113. Pankaj walks 4 km towards 'East' then turns 'Right' and walks 2 km and then he turns 'Right' and walks X km if he walks now just 2 km South from his initial point, then what is distance of X?

- (a) 8 km (b) 2 km
(c) 4 km (d) 6 km

RRB Group-D – 04/12/2018 (Shift-III)

Ans. (c)

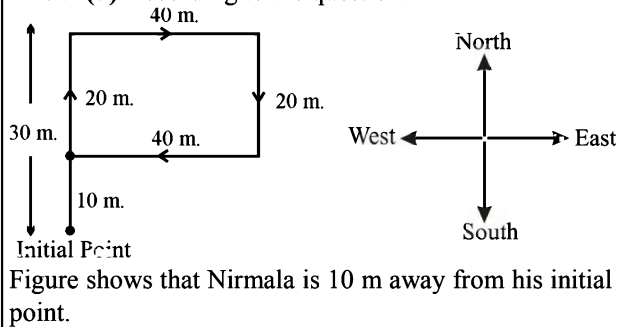


114. Nirmala moves 30 m towards 'North', then turns 'Right' and walks 40 km, and again turns 'Right' and walks 20 m, and again turns 'Right' and walk 40 m. How far is she from her original point.

- (a) 15 m (b) 5 m
(c) 2 m (d) 10 m

RPF SI 10.01.2019 Shift : II

Ans : (d) According to the question.

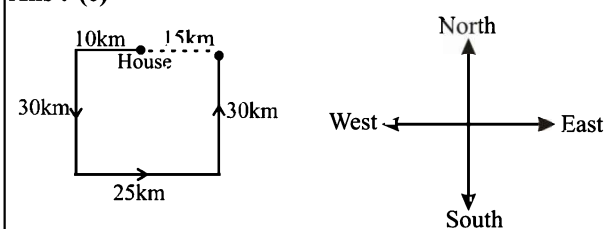


115. Gopichanda starting from his house, and walks 10 km towards 'West', and then turns 'Left' and walks 30 km, and then turns 'East' and walks 25 km, and finally turns 'Left' and walks 30 km. How far is he from his house?

- (a) 40 k.m. (b) 10 k.m.
(c) 15 k.m. (d) 80 k.m.

RRB Group-D – 16/11/2018 (Shift-I)

Ans : (c)



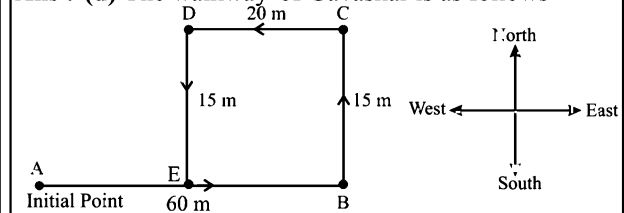
From above figure it is clear that he is 15 km away from his house.

116. Gavaskar leaves from his home and walks straight East. After walking 60 m, he turns left and walks straight for a distance of 15 m. then he turns left and walks straight for a distance of 20 m. He turns left for the last time and reach a distance of 15 m moves. How far is he from his house?

- (a) 25 m (b) 50 m
(c) 35 m (d) 40 m

RRB Group-D – 15/11/2018 (Shift-III)

Ans : (d) The walkway of Gavaskar is as follows-



Distance b/w Gavaskar's house and his final position

$$= AE$$

$$AE = AB - EB$$

$$\because EB = DC$$

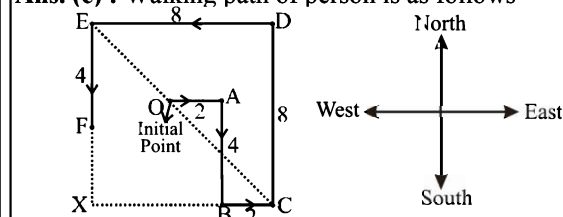
$$\therefore AE = 60 - 20 = 40 \text{ m}$$

117. At point O, facing east a person walks 2 km to reach point A. Then, he turns right, walks 4 km and reaches point B. Then, he turns left, walks 2 km and reaches point C. Then, he turns left, walks 8 km and reaches point D. Then, he turns left, walks 8 km and reaches point E. Then, he turns left, walks 4 km and reaches point F. The shortest distance between point C and point E is ____ km.

- (a) $6\sqrt{2}$ (b) $2\sqrt{2}$
(c) $8\sqrt{2}$ (d) 128

RRB Group-D – 05/11/2018 (Shift-III)

Ans. (c) : Walking path of person is as follows-



$$\because EX = DC = 8 \text{ km}$$

$$\because XC = ED = 8 \text{ km}$$

By Pythagoras theorem,

$$\therefore (EC)^2 = (XC)^2 + (EX)^2$$

$$= (8)^2 + (8)^2 = 128$$

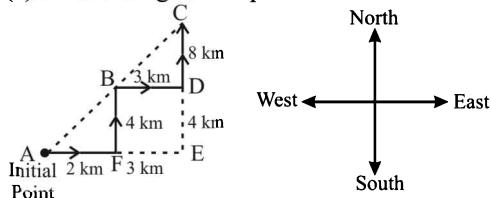
$$EC = 8\sqrt{2} \text{ km}$$

118. Every morning Albert starts riding towards rising Sun, he rides 2 km, then turns 'Left' and moves 4 km and then turns to his 'Right' and moves 3 km and finally he turns to his 'Left' and reach office after riding 8 km. How far is his office from riding 8 km.

- (a) 13 km (b) 18 km
(c) 12 km (d) 19 km

RPF Constable 24.01.2019 Shift : I

Ans. (a) : According to the question -



∴ $BD = 3$ km and $BD = FE$
 ∴ $FE = 3$ km
 ∴ $FB = 4$ km and $FB = DE$, ($CE = CD + DE$)
 ∴ $DE = 4$ km
 ∴ $CE = 12$ km
 and $AE = 5$ km, ($AE = AB + FE$)

$$\therefore AC = \sqrt{AE^2 + CE^2}$$

$$\therefore AC = \sqrt{5^2 + 12^2}$$

$$\therefore AC = \sqrt{25 + 144}$$

$$\therefore AC = \sqrt{169} = 13 \text{ km}$$

Hence total distance to office is 13 km from Albert's house by Airway.

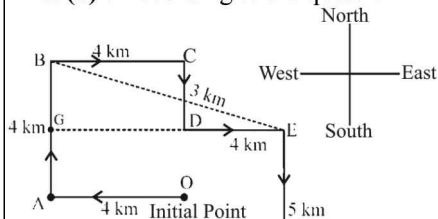
119. A person starts from point O towards West, walks 4 km to reach point A. From where he walks 4 km towards 'Right' to reach point B, then walks 4 km towards 'Right' to reach point C, after turning 'Right' he walks 3 km to reach point D, then turn 'Left' and walks 4 km to reach point E. Finally walks 5 km towards 'Right' to reach point F.

Find minimum distance between B and E?

- (a) $\sqrt{27}$ (b) $2\sqrt{73}$
 (c) $\sqrt{37}$ (d) $\sqrt{73}$

RRB Group-D – 11/12/2018 (Shift-I)

Ans. (d) : According to the question -



∴ $CD = 3$ km and $CD = BG$

∴ $BG = 3$ km

∴ $BC = 4$ km and $BC = GD$

∴ $GD = 4$ km

∴ $BG = 3$ km

and $GE = 8$ km

$$\therefore BE = \sqrt{BG^2 + GE^2}$$

$$\therefore BE = \sqrt{3^2 + 8^2}$$

$$\therefore BE = \sqrt{73}$$

Hence, minimum distance is $\sqrt{73}$ km b/w point bond.

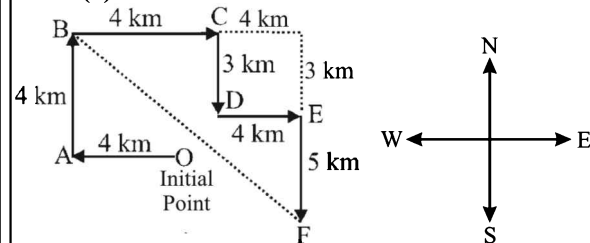
120. Starting from point O, a person walks 4 km towards west to reach point A, from where he walks 4 km towards 'Right' to reach point B, again walks 4 km 'Right' to reach point C, he walks 3 km after turning 'Right' to reach point D, then turns 'Left' and Walks 4 km to reach point E, and walks towards 'Right' for 5 km to reach point F.

What is minimum distance between point B and F?

- (a) $4\sqrt{2}$ (b) $3\sqrt{2}$
 (c) $5\sqrt{2}$ (d) $8\sqrt{2}$

RRB Group-D – 11/12/2018 (Shift-II)

Ans : (d)



Hence, minimum distance is $8\sqrt{2}$ m by figure = $\sqrt{8^2 + 8^2} = 8\sqrt{2}$ km

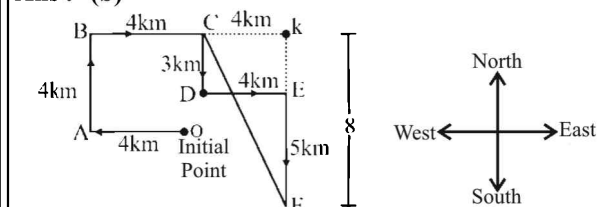
121. Standing from point O, a person walks 4 km towards 'West' to reach point A. From where he walks 4 km towards 'Right' to reach point B, then walk 4 km towards 'Right' to reach point C, and turn right and walks 3 km to reach point D, turn 'Left' walks 4 km to reach point E, finally walks for 5 km towards 'Right' to reach point F.

What is minimum distance between point C and F.

- (a) $4\sqrt{2}$ (b) $4\sqrt{5}$
 (c) $5\sqrt{5}$ (d) $3\sqrt{5}$

RRB Group-D – 11/12/2018 (Shift-III)

Ans : (b)



By Pythagoras theorem

$$(CF)^2 = (CK)^2 + (KF)^2$$

$$= (4)^2 + (8)^2$$

$$= 16 + 64$$

$$CF = \sqrt{80}$$

$$CF = 4\sqrt{5}$$

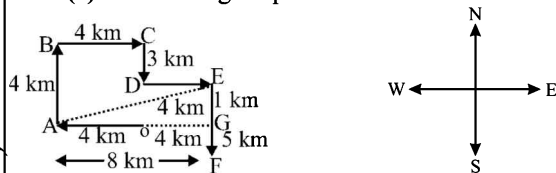
Hence, distance between point C and F is $4\sqrt{5}$.

122. Starting from point O, a person walks 4 km facing to West to reach point A. From where he turns 'Right' and walks 4 km to reach point B. Again he turns 'Right' and walks 4 km to reach point C, then again turns 'Right' and walks 3 km to reach point D. Now he turns 'Left' and walks 4 km to reach point E. Then again turns 'Right' and walks 5 km to reach point F. What is minimum distance between point A and E?

- (a) $\sqrt{68}$ (b) $5\sqrt{65}$
 (c) $\sqrt{65}$ (d) $2\sqrt{65}$

RPF SI 10.01.2019 Shift : III

Ans. (c) : According to question -



$$\begin{aligned} \text{Distance b/w point A and E} &= \sqrt{(AG)^2 + (EG)^2} \\ &= \sqrt{(8)^2 + (1)^2} \\ \text{AE} &= \sqrt{64+1} = \sqrt{65} \text{ km} \end{aligned}$$

123. Ms. X runs Marathon and start from point A, runs 5 km towards 'North' and reached point B. Then turns 'Right' and runs 6 km to reach point C. Again turns 'Right' and runs 8 km to reach point D. Then he runs 10 km after turning 'Right' to reach point E. He again turns 'Right' and runs 6 km to reach point F. Then again turns 'Right' and if runs 1 km to reach point G. Finally he again turns 'Right' and runs 3 km to reach point H. What is minimum distance between point A and H?

- (a) $\sqrt{2}$ km (b) 2 km
 (c) 3 km (d) 5 km

RRB Group-D – 25/10/2018 (Shift-II)

Ans : (c) According to the question -

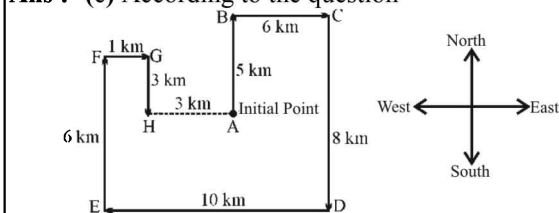


Figure shows minimum distance of A and H =
 $ED - (BC + FG) = 10 - 7 = 3 \text{ km}.$

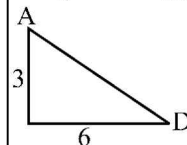
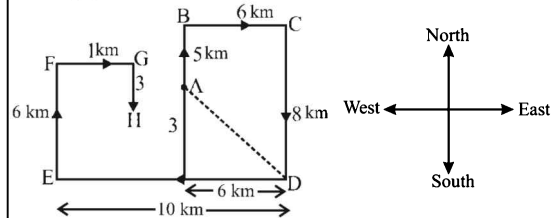
124. Starting from point A. Ms. X runs Marathon, he runs towards North for 5 km to reach point B. Then turns 'Right' and runs 6 km to reach point C. and turns 'Right' and runs 8 km to reach point D. Again turns 'Right' and runs 10 km to reach point E and again turns 'Right' and runs 6 km to reach point F. Again turns 'Right' and runs 1 km to reach point G, then

turns 'Right' and runs 3 km to reach point H. What is minimum distance b/w D and A?

- (a) $3\sqrt{5}$ km (b) $2\sqrt{5}$ km
 (c) 5km (d) $\sqrt{5}$ km

RPF Constable 25.01.2019 Shift : I

Ans. (a) :



According to the figure -

$$\begin{aligned} AD^2 &= 3^2 + 6^2 \\ \Rightarrow AD &= \sqrt{45} \\ AD &= 3\sqrt{5} \text{ km} \end{aligned}$$

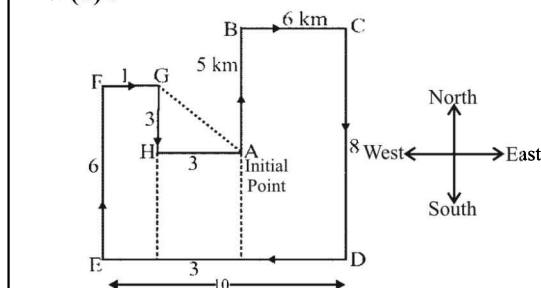
125. Ms. X start running Marathon from point A, runs 5 km towards 'North' to reach point B, then turns 'Right' and runs 6 km to reach point C, again turn 'Right' and runs 8 km to reach point D, then again turns 'Right' and runs 10 km to reach point E, again turns 'Right' and runs 1 km to reach point G. And finally runs 3 km after turning 'Right' to reach point H.

What is minimum distance b/w G and A?

- (a) $2\sqrt{3}$ (b) $\sqrt{6}$
 (c) 6 (d) $3\sqrt{2}$

RRB Group-D – 23/10/2018 (Shift-I)

Ans. (d) :



GA is minimum distance b/w G and A.

$$\begin{aligned} K^2 &= L^2 + A^2 \\ GA^2 &= 3^2 + 3^2 \\ &= 9 + 9 \\ GA &= \sqrt{18} \\ GA &= 3\sqrt{2} \text{ km} \end{aligned}$$

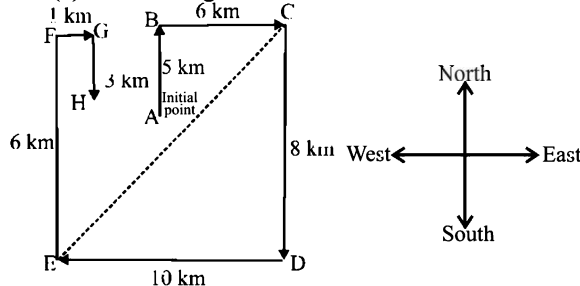
126. Starting from point A. Ms. X runs Marathon, runs 5 km towards 'North' to reach point B, and then turns 'Right' and runs 6 km to reach point C, again turns 'Right' and runs 8 km to reach point D. And then turns 'Right' and runs 10 km to reach point E, and again turns 'Right' and runs 6 km to reach point F, then again turns 'Right' and runs 1 km to reach point G. Then again turns 'Right' and run for 3 km to reach point H.

What is minimum distance b/w C and E?

- (a) 41 (b) $3\sqrt{41}$
 (c) $2\sqrt{41}$ (d) $\sqrt{41}$

RRB Group-D – 23/10/2018 (Shift-II)

Ans. (c) : According to the statements -



By Pythagoras theorem $\Delta ECD'$

$$CE^2 = 10^2 + 8^2$$

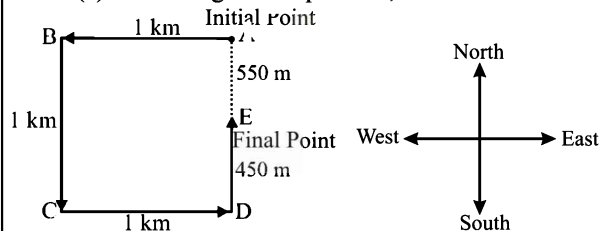
$$CE = \sqrt{164} = 2\sqrt{41}$$

127. Nitara walks 1 km towards 'West', and turns 'Left', then walks 1 km and again turns 'Left' and walks 1 km and turns 'Left' then walks 450 m. How far is Nitara from her starting point?

- (a) 500 m (b) 700 m
 (c) 550 m (d) 200 m

RRB Group-D – 28/09/2018 (Shift-III)

Ans. (c) According to the question,



It is clear from the picture, that Nitara is 550 m from its starting point.

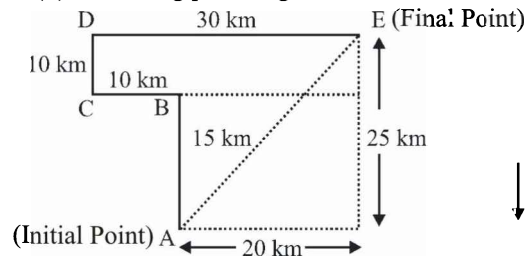
128. Starting from point A. Ms. X walks 15 km towards 'North' to reach point B, from where he turns 'Left' and walks 10 km to reach point C, and then turns 'Right' and walk 10 km to reach point D, finally he turns 'Right' and walks 30 km to reach point E.

What is minimum distance between initial and final position?

- (a) $6\sqrt{41}$ (b) $5\sqrt{42}$
 (c) $2\sqrt{42}$ (d) $5\sqrt{41}$

RPF SI 11.01.2019 Shift : I

Ans : (d) Travelling path diagram of X -



Hence, distance b/w initial and final point.

$$AE^2 = (25)^2 + (20)^2$$

$$= 625 + 400 = 1025$$

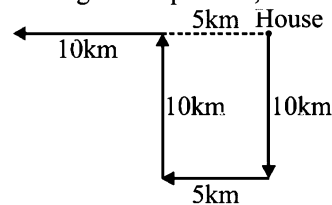
$$AE = 5\sqrt{41}$$

129. One day Ganesh starts cycling from his house for 10 km towards 'South', then returns 'Right' and walks 5 km, then again turns 'Right' and moves 10 km and finally turns 'Left' and walks 10 km. What is straight distance b/w initial and final point?

- (a) 30 (b) 15
 (c) 25 (d) 35

RRB NTPC 19.01.2017 Shift : 1

Ans: (b) According to the question,



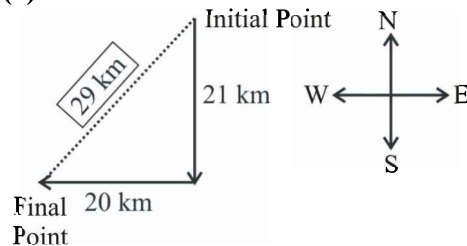
Straight distance b/w house and detonation = 5+10 = 15km.

130. Starting from his home, Vinay walks towards 'South' after cornering 21 km he turns 'Right' and walks straight 20 km. Now far is he from his initial point?

- (a) 29.68 km (b) 29.00 km
 (c) 41.00 km (d) 24.00 km

RRB NTPC 18.01.2017 Shift : III

Ans. (b) :



Minimum distance b/w initial and destination point.

$$= \sqrt{(21)^2 + (20)^2}$$

$$= \sqrt{441 + 400}$$

$$= \sqrt{841}$$

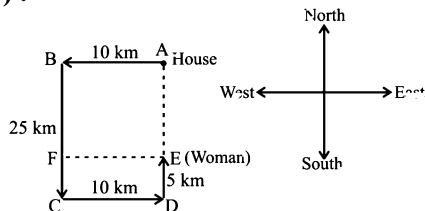
$$= 29 \text{ km}$$

131. Starting from her house, a woman walks 10 km towards 'West', and turns 'Left' and walks 25 km. Then again turns 'Left' and walks 10 km and then again turns 'Left' and walks 5 km. How far is she from her house now?

- (a) 35 (b) 20
(c) 25 (d) 40

RPF Constable 25.01.2019 Shift : III

Ans. (b) :



By diagram –

$$BC = AD = 25 \text{ Km.}$$

$$\therefore AE = AD - DE$$

$$= 25 - 5 = 20 \text{ km}$$

Hence, distance b/w woman and house is 20 km.

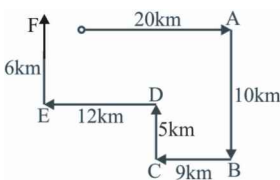
132. A man starts from point 'O', travels 20 km towards east to reach point 'A', then turns right and travels 10 km to reach point 'B', then turns right and travels 9 km to reach point 'C', then turns right and travels 5 km to reach point 'D', then turns left and travels 12 km to reach point 'E' and then turns right and travels 6 km to reach point 'F'.

What is the shortest distance between point 'E' and point 'C'?

- (a) 13 (b) $\sqrt{2}$
(c) $\sqrt{20}$ (d) $\sqrt{145}$

RRB ALP & Tec. (31-08-18 Shift-III)

Ans : (a) Minimum distance b/w E and C –



$$\begin{aligned} (EC)^2 &= (CD)^2 + (ED)^2 \\ &= 5^2 + 12^2 \\ &= 25 + 144 \\ EC &= \sqrt{169} = 13 \text{ km.} \end{aligned}$$

133. A man starts from point 'O', travels 20 km towards East to reach point 'A', then turns right and travels 10 km to reach point 'B', then turns right and travels 9 km to reach point 'C', then turns right and travels 5 km to reach point 'D', then turns left and travels 12 km to reach point 'E' and then turns right and travels 6 km to reach point 'F'.

What is the shortest distance between point 'E' and point 'B'?

- (a) 46 (b) $\sqrt{466}$
(c) $\sqrt{145}$ (d) $\sqrt{450}$

RRB ALP & Tec. (30-08-18 Shift-III)

Ans : (b) To find minimum distance b/w E and B, use Pythagoras theorem.

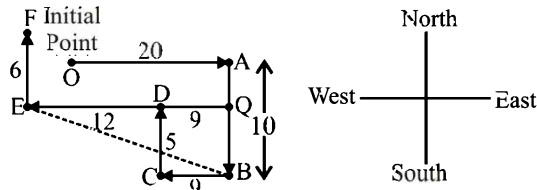
$$(EB)^2 = (EQ)^2 + (QB)^2 \quad [\because EQ = ED + DQ]$$

$$(EB)^2 = (21)^2 + (5)^2 \quad EQ = 12 + 9 = 21$$

$$(EB)^2 = 441 + 25$$

$$(EB)^2 = 466$$

$$EB = \sqrt{466}$$

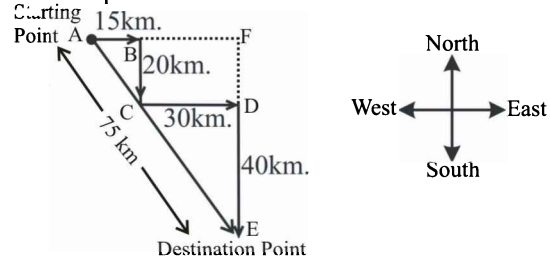


134. A man travels 15 km towards east, then turns right and travels 10 km. He then turns left and travels 30 km. Finally, he takes a right turn and covers 40 km. The shortest distance between the starting point and the destination is:

- (a) 50 km (b) 75 km
(c) 100 km (d) 80 km

RRB ALP & Tec. (29-08-18 Shift-I)

Ans : (b) Minimum distance between starting point and destination point.



$$AF = AB + BF$$

$$= 15 + 30 = 45 \text{ km}$$

$$\therefore BF = CD$$

$$FE = FD + DE$$

$$= 20 + 40 = 60 \text{ km}$$

$$BC = FD$$

$$\begin{aligned} (AE)^2 &= (AF)^2 + (FE)^2 \\ &= (45)^2 + (60)^2 \\ &= 2025 + 3600 \end{aligned}$$

$$(AE)^2 = 5625$$

$$AE = \sqrt{5625} = 75 \text{ km}$$

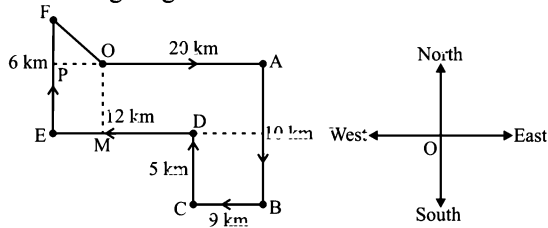
135. A man starts from point 'O', travels 20 km towards East to reach point 'A', turns right and travels 10 km to reach point 'B', turns right and travels 9 km to reach point 'C', turns right and travels 5 km to reach point 'D', turns left and travels 12 km to reach point 'E' and then turns right and travels 6 km to reach point 'F'.

What is the shortest distance between his initial and final points?

- (a) $\sqrt{145}$ (b) 13
 (c) $\sqrt{2}$ (d) $\sqrt{20}$

RRB ALP & Tec. (29-08-18 Shift-III)

Ans : (c) Hence initial point is O and final point is F.
 After drawing diagram-



By diagram -

$OP = 1 \text{ km} = EM$

when, $PF = 1 \text{ km} = EF - EP = (6 - 5) \text{ km}$

If minimum distance is OF.

after applying Pythagoras theorem -

$OF^2 = OP^2 + PF^2$

$OF^2 = 1^2 + 1^2$

$OF^2 = 2$

$OF = \sqrt{2} \text{ km}$

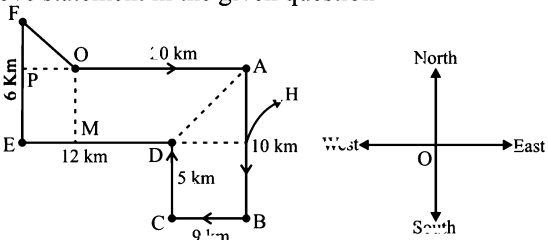
136. A man starts from point 'O', travels 20 km towards East to reach point 'A', turns right and travels 10 km to reach point 'B', turns right and travels 9 km to reach point 'C', turns right and travels 5 km to reach point 'D', turns left and travels 12 km to reach point 'E' and then turns right and travels 6 km to reach point 'F'.

What is the shortest distance between point 'A' and point 'D'?

- (a) 13 (b) $5\sqrt{17}$
 (c) $\sqrt{106}$ (d) $\sqrt{181}$

RRB ALP & Tec. (29-08-18 Shift-III)

Ans : (c) On drawing the diagram according to the above statement in the given question-



by diagram -

$DH = 9 \text{ km} = BC$ (BH = DC = 5 km)

$AH = 5 \text{ km} = AB - BH$

by Pythagoras theorem-

$AD^2 = DH^2 + AH^2$

$AD^2 = 9^2 + 5^2$

$AD^2 = 81 + 25$

$AD^2 = 106$

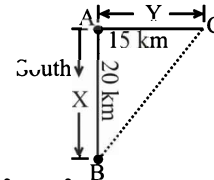
$AD = \sqrt{106} \text{ km}$

137. Two friend X and Y starting their journey from the same point A, X walks 20 km towards 'South' and Y walks 15 km towards East. What is minimum distance b/w X and Y?

- (a) 35 km (b) 25 km
 (c) 45 km (d) 50 km

RPF SI 11.01.2019 Shift : II

Ans : (b) According to the question, the pictures from a right angled triangle, then the minimum distance of X and Y = BC



$BC^2 = AC^2 + AB^2$

$BC^2 = \sqrt{15^2 + 20^2} = \sqrt{225 + 400}$

$BC^2 = \sqrt{625} = 25 \text{ km}$

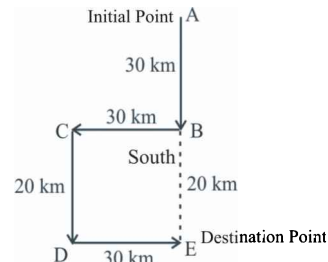
$BC = 25 \text{ km}$

138. X driving goes 30 km towards south, and after turning right, going 30 km, straight. Turn left and go straight 20 km and again turn left and go straight 30 km. How far is X from its starting point now?

- (a) 20 km (b) 30 km
 (c) 60 km (d) 50 km

RRB ALP & Tec. (10-08-18 Shift-II)

Ans : (d)



$AE = AB + BE$ ($\because BE = CD = 20 \text{ km}$)

$= 30 + 20 = 50 \text{ km}$

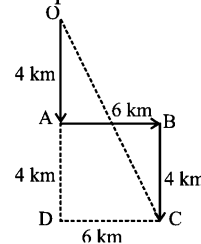
Hence, distance b/w A and E is 50 km.

139. Ravi walks 4 km straight 'South', then turns 'Left' and walks 6 km straight, again turns 'Right' and walks 4 km straight. How far is he from his initial point?

- (a) 10 km (b) 18 km
 (c) 12 km (d) 8 km

RRB JE - 28/05/2019 (Shift-I)

Ans : (a) If O is initial point and C is final point.

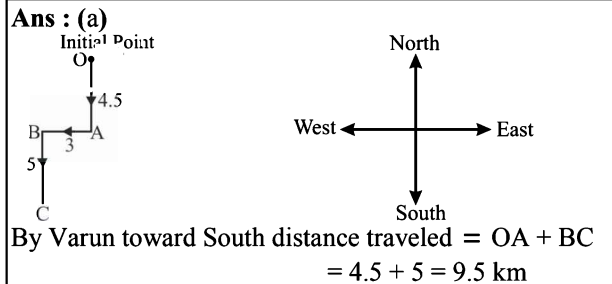


$BC = AD = 4 \text{ km}$

Minimum distance from initial point = OC
 $(OC)^2 = (DO)^2 + (DC)^2 \quad \therefore DO = DA + AO$
 $= (8)^2 + (6)^2 \quad 4 + 4 = 8 \text{ km}$
 $= 64 + 36$
 $OC = \sqrt{100} = 10 \text{ km}$

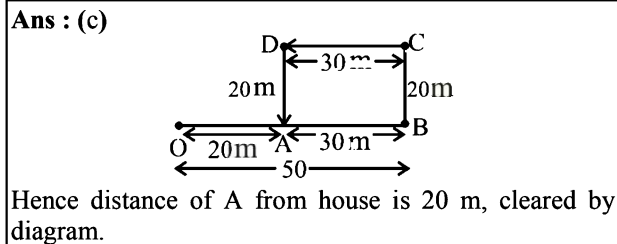
140. Varun walks for 4.5 km towards 'South' direction and turns to the 'Right' after reaching 3 km, he turns 'Left' and walks 5 km. How far has he traveled towards 'South'?
- (a) 9.5 km (b) 8.5 km
(c) 4.5 km (d) 5 km

RRB JE - 30/05/2019 (Shift-II)



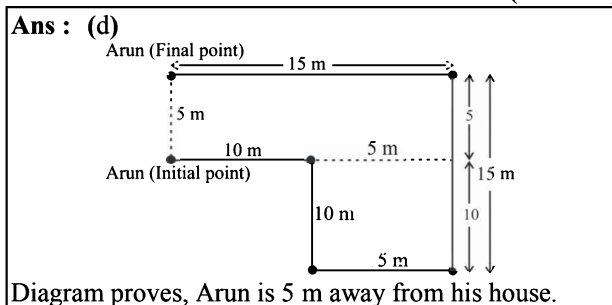
141. Prakash runs 50 meters towards east from house and then turns 20 meters to the left. Again he turns left and runs 30 meters, again to the left and runs 20 meter and reaches point 'A'. What is straight distance of point A from his house?
- (a) 30 m (b) 40 m
(c) 20 m (d) 10 m

RRB JE - 30/05/2019 (Shift-I)



142. Arun walks 10 m towards 'East', and walks 10 m after turning to his 'Right', then he always turns 'Left' and walks respectively. 5, 15 and 15 m. How far is he from his initial point.
- (a) 10 m (b) 20 m
(c) 15 m (d) 5 m

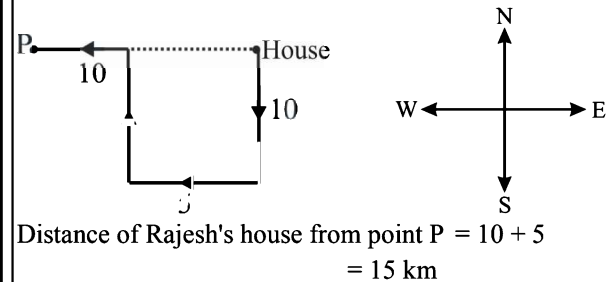
RRB JE - 30/05/2019 (Shift-III)



143. One day Rajesh got out of the house and cycled 10 km South and then he turned to the right and cycled 5 km again he turned to the right and cycled 10 km. Then he turn left and cycled 10 km to reach point P. How many kilometers will he have to cycle to reach his house directly from point P?
- (a) 52 km (b) 20 km
(c) 10 km (d) 15 km

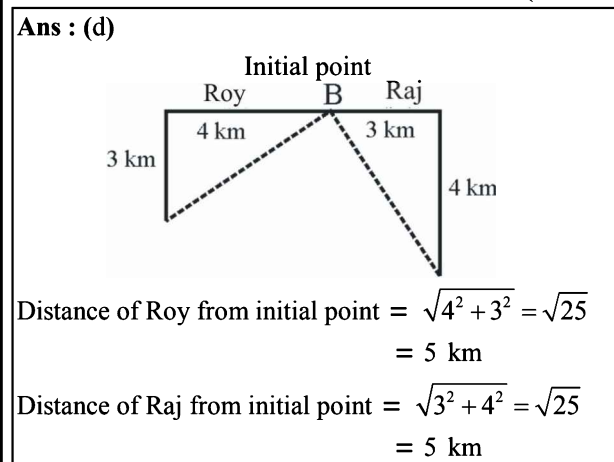
RRB JE - 29/05/2019 (Shift-I)

Ans : (d) The sequence of walking of Rajesh is as follows -



144. Raj and Roy stand at point B, both start moving in opposite direction, Raj walks 3 km and Roy walks 4 km, and then Raj walks 4 km after turning 'Right' and Roy walks 3 km after turning 'Left'. How far is they from his initial point?
- (a) 8 km, 6 km (b) 6 km, 4 km
(c) 4.5 km, 5 km (d) 5 km, 5 km

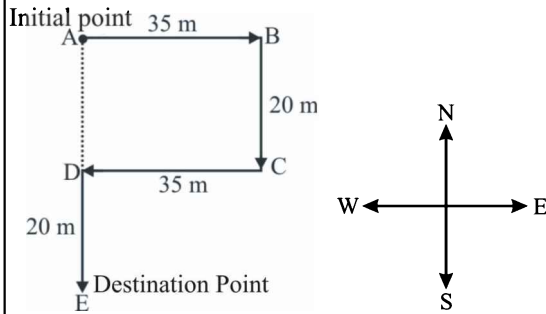
RRB JE - 31/05/2019 (Shift-II)



145. Starting from a point Raju walk 35 m towards East and turns 'Right' and walks 20 m, and again turns 'Right' and walks 35 m, and finally turns 'Left' to and walks 20 m to reach his destination. How far as he from his initial point.
- (a) 50 m (b) 20 m
(c) 55 m (d) 40 m

RRB JE - 29/05/2019 (Shift-II)

Ans : (d) Raju's travelling route-



$$AE = AD + DE$$

$$\therefore AD = BC = 20 \text{ m}$$

$$\therefore AE = 20 + 20 = 40 \text{ m}$$

Distance b/w initial point and destination = 40 m

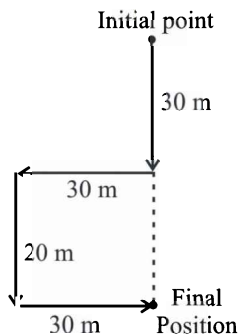
146. A man walks 30 m towards 'South', then turning to his 'Right' and walks 30 m, then turning to his 'Left' he walks 20 m, again turning to his 'Left', he walks 30 m.

How far is he from his initial point.

- (a) 20 m (b) 30 m
(c) 80 m (d) 50 m

RPF SI 11.01.2019 Shift : III

Ans : (d)



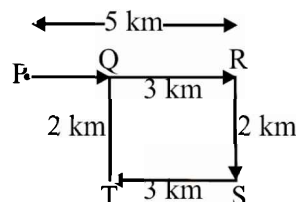
Hence, man 50 m away from his initial point.

147. Rohit walks 5 km from a point 'P' towards East, he then turns 'Right' and walks 2 km. and again he turns to the 'Right' and walks 3 km, he again turns to the 'Right' and walks 2 km and reaches a point Q. What is distance b/w point P and Q?

- (a) 4 km (b) 3 km
(c) 1 km (d) 2 km

RRB JE - 22/05/2019 (Shift-III)

Ans : (d)



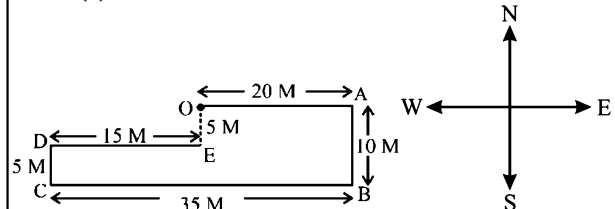
Distance b/w point P and Q is 2 km by diagram.

148. Rakesh stands at one point. He walks 20 m towards East and then 10 m towards 'South'. Then he walk 35 m towards West and then 5 m towards 'North'. Then he walks 15 m towards East. What is the minimum distance between initial point and its current position in meters?

- (a) 5 m (b) 10 m
(c) 1 m
(d) Cannot be determined

RRB JE - 26/05/2019 (Shift-I)

Ans : (a)



In diagram, Rakesh's initial point is O and final point is E.

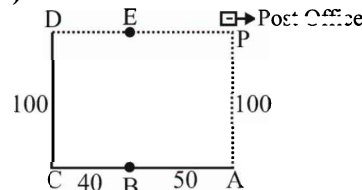
$$\therefore OE = AB - CD = 10 - 5 = 5 \text{ m}$$

149. A Postman was returning to the post office which was facing him in the North. When the post office was 100 m away from him, he turned left and walked 50 meters to deliver the last letter to the Shanti Villa, then turned and walked 40 meter in the same direction, and then turned to his right and walked 100 m. How many meters is he from the post office?

- (a) 10 m (b) 90 m
(c) 150 m (d) 100 m

RRB JE - 22/05/2019 (Shift-I)

Ans : (b)



Distance covered to Shanti Villa = 50 m

Again walks 40 m to reach point C.

Again turns right and 100 m.

Distance of post office from him = DE + EP

$$= 40 + 50$$

$$= 90 \text{ m}$$

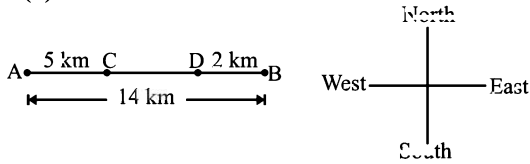
$$\left[\begin{array}{l} \therefore DE = CB = 40\text{m} \\ EP = BA = 50\text{m} \end{array} \right]$$

150. Two boys A and B, 14 km. Let's walk in the opposite direction from a distance. A faces East and B faces west. A is 5 km towards East. and B is 2 km towards West. Travels a distance of. So what is the distance between the two boys?

- (a) 7 km (b) 5 km
(c) 9 km (d) 11 km

RRB JE - 01/06/2019 (Shift-III)

Ans. (a)



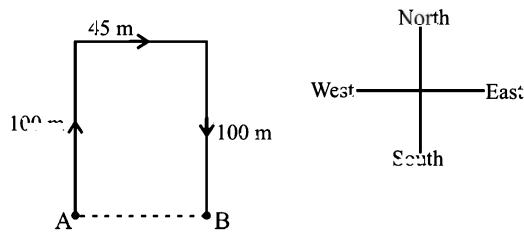
$$\begin{aligned} \text{Distance b/w both boys (CD)} &= AB - (AC + BD) \\ &= 14 - (5 + 2) \\ &= 7 \text{ km} \end{aligned}$$

151. Anita walked 100 meters from point A and turned right and walked 45 meters. She again turned to the right and walked 100 meters to point B. What is distance between point A and B?

- (a) 35 m (b) 45 m
(c) 50 m (d) 100 m

RRB JE - 01/06/2019 (Shift-III)

Ans. (b)



Hence, proved by diagram 45 m is distance b/w point A and B.

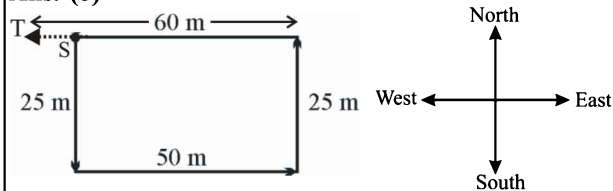
Type - 5

152. Starting from point S, Mahesh walked 25 meters towards South. He turned to his left and walked 50 meters. He again turned to his left and walked 25 meters. He again turned to his left and walked 60 meters and reached point T. How far and in which direction is Mahesh from point S?

- (a) 10 m, East (b) 10 m, West
(c) 25 m, West (d) 25 m, North

RRB JE - 31/05/2019 (Shift-III)

Ans. (b)



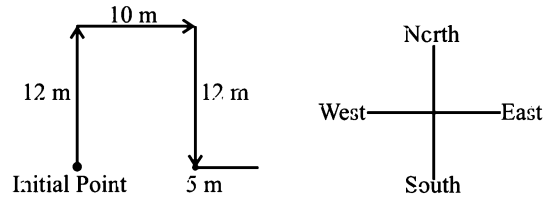
Distance b/w S and T = 60 - 50 = 10 m
Direction of S respect to T = West.

153. Starting from a point, Ganesh walks 12 m to the 'North'. Then he turned to the right and walks 10 m, he again turned to the 'Right' and walks 12 m, then he turned to the 'Left' and walks 5 m. now how far and in which direction he is from the starting point?

- (a) 15 m, east (b) 10 m, west
(c) 10 m, east (d) 5 m, west

RRB JE - 01/06/2019 (Shift-I)

Ans : (a) Ganesh's travelling path -



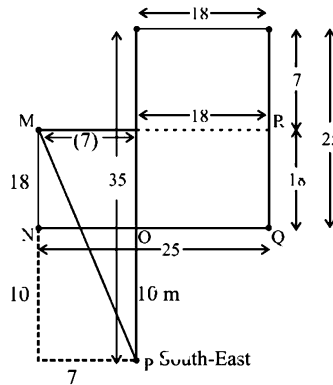
Hence, Ganesh is 15 m away from initial point.

154. Starting from point M, Harish walks 18 m towards 'South'. He turned to the 'Left' and walked 25 m. He then turned to the 'Left' and walked 25 m. He again turned to the 'Left' and walked 18 m. He again turned to the 'Left' and walked 35 m to reach point P. How far and in which direction is Harish from point M?

- (a) 35 m, west
(b) 28.86 m, south-east
(c) 28.86 m, south-west
(d) 28.86 m, north-east

RRB JE - 30/05/2019 (Shift-III)

Ans : (b)



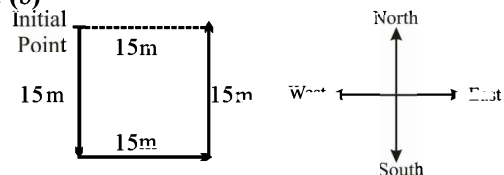
$$\begin{aligned} \text{Distance of Harish from point M to P} &= \sqrt{28^2 + 7^2} \\ &= \sqrt{833} = 28.86 \text{ m (South-East)} \end{aligned}$$

155. Vijayan starts walking towards the 'South'. After walking 15 m, he turned to the 'Left' and walked 15 m. He again turned to the left and walked 15 m. How far and in which direction is he from his starting point?

- (a) 30 m, east (b) 15 m, east
(c) 15 m, west (d) 15 m, south

RRB JE - 31/05/2019 (Shift-I)

Ans : (b)



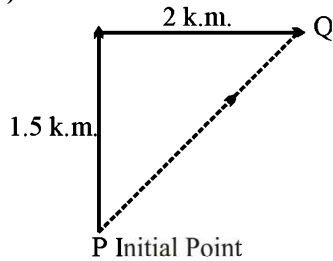
Hence, He is 15 east m away from his initial point.

156. Naga walks 1.5 km from point P, located to the North. He then turns to the right and walks 2 km to reach point Q. How far is Naga from point P and what is the direction of P to Q?

- (a) 3.5 km, south-east
 (b) 2.5 km, south-west
 (c) 3.5 km, south-west
 (d) 2.5 km, north-west

RRB JE - 26/06/2019 (Shift-I)

Ans : (b)



$$PQ^2 = (1.5)^2 + (2)^2$$

$$= 2.25 + 4 = 6.25$$

$$PQ = \sqrt{6.25}$$

$$PQ = 2.5$$

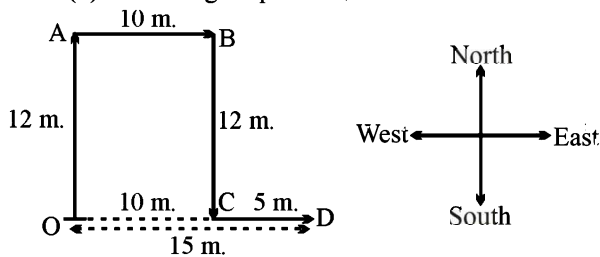
Hence, P's direction is 2.5 km (North-East) from Q.

157. Starting from a point, Raju walked 12 m towards 'North', then he turned 'Right' and walked 10 m, He again turned 'Right' and walked 12 m, he again turned 'Left' and walked 5 m. Now how far and in which direction is he from the starting point?

- (a) 10 m, toward west (b) 27 m, toward east
 (c) 5 m, toward east (d) 15 m, toward east

RRB JE - 02/06/2019 (Shift-I)

Ans : (d) According to question,



$$\therefore OD = OC + CD$$

$$OD = 10 \text{ m} + 5 \text{ m} = 15 \text{ m}$$

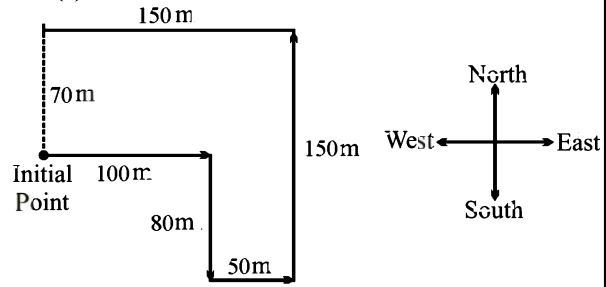
Hence Raju is 15 m away from his initial point and in East direction.

158. Arul walks 100 meters towards East and then 80 meters to his right. Then, each time turning to his left, he walks 50, 150 and 150 meters respectively. Now how far and in which direction is he from the starting point?

- (a) 80 m, North (b) 70 m, North
 (c) 70 m, North (d) 100 m, North

RRB JE - 02/06/2019 (Shift-II)

Ans. (c)



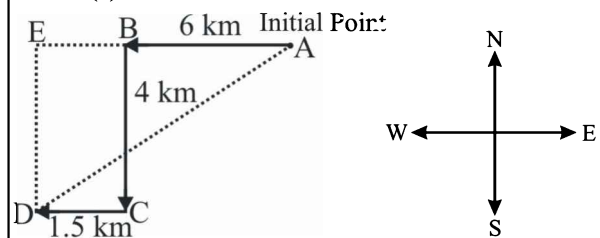
Hence, Arul is 70 m (North) away from initial point.

159. Anand walks right 6 km to the West from his house and turns 4 km to the South. Finally, he walks right 1.5 km to the west? Now what is his distance from his house in which direction is his house?

- (a) 5.5 km (b) 5.5 km
 (c) 8.5 km (d) 7.5 km

RRB JE - 29/05/2019 (Shift-II)

Ans : (c)



$$AE = AB + BE$$

$$\therefore BE = CD = 1.5 \text{ km}$$

$$\therefore AE = 6 + 1.5 = 7.5 \text{ km}$$

$$\text{and } BC = DE = 4 \text{ km}$$

Distance of Ananda's destination from his home = AD

$$AD = \sqrt{(AE)^2 + (DE)^2}$$

$$= \sqrt{(7.5)^2 + (4)^2}$$

$$= \sqrt{56.25 + 16}$$

$$= \sqrt{72.25}$$

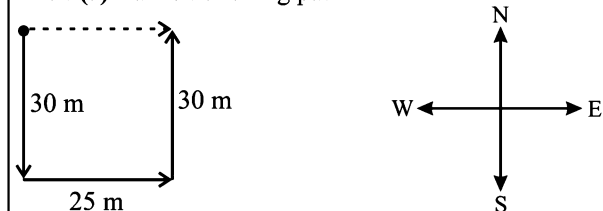
$$= 8.5 \text{ km}$$

160. Facing South, Ram walks 30 m, turns 'Left' and walk 25 m and turns 'Left' and walks 30 m. How far is he from his initial point and in which direction?

- (a) 25 m, east (b) His initial point
 (c) 25 m, west (d) 30 m, east

RRB JE - 23/05/2019 (Shift-I)

Ans : (a) Ram's travelling path

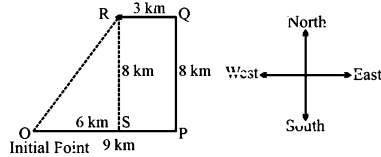


Hence, Ram is 25 m (East) away from his initial point.

161. Lalit walks 9 km towards East, then turn 'Left' and walks 8 km, again turns 'Left' and walks 3 km. How far is he from his initial point and in which direction now?
 (a) 12 km, north-west (b) 10 km, north-east
 (c) 14 km, south-east (d) 8 km, south-west

RRB JE - 28/06/2019 (Shift-III)

Ans. (b)



From Pythagoras theorem -

$$OR^2 = OS^2 + RS^2$$

$$OR^2 = \sqrt{(6)^2 + (8)^2}$$

$$OR^2 = \sqrt{36 + 64}$$

$$OR^2 = \sqrt{100}$$

$$OR = 10$$

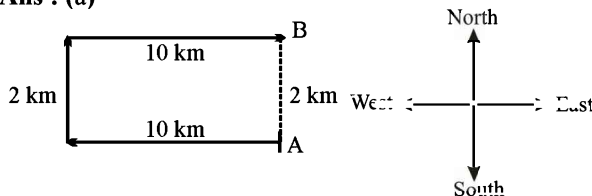
Hence, he is 10 km (North-East) away from his Initial point.

162. I walked 10 km towards West from point A and turned right and walks 2 km. Again turns 'Right' and walks 10 km to reach point B. What is distance between point A and B, and which direction in front of me?

- (a) 2 km, east (b) 8 km, north
 (c) 2 km, north (d) 8 km, east

RRB JE - 27/06/2019 (Shift-I)

Ans : (a)



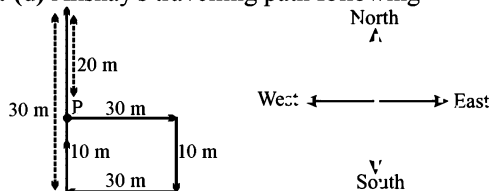
Hence, the diagram it is clear that the distance 2 km from point A to B, and facing towards East direction.

163. From point A, Akshay starts walking towards East. After walking 30 meter, he turns to his right and walks 10 meter. He then to his right turns and 30 meters walks. Again turns to his rights and walks 30 meters. How far and in which direction is her from point P?

- (a) On point P (b) 20 m, West
 (c) 10 m, North (d) 20 m, North

RRB JE - 27/06/2019 (Shift-I)

Ans : (d) Akshay's travelling path following -



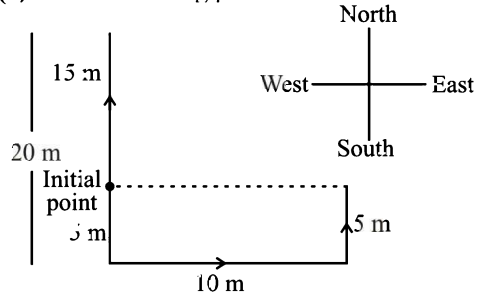
Hence the diagram it is clear that Akshay 20 m away from point P.

164. Ravi starts walking towards North. After walking 15 meters, he turns South. After walking 20 meters, he turns East and walks 10 meters. Then he turns North and walks 5 meters. How far and in which direction is he 6 from his starting point?

- (a) 10 m, west (b) 10 m, south
 (c) 10 m, east (d) 10 m, north

RRB JE - 01/06/2019 (Shift-III)

Ans. (c) Ravi's travelling path -



Hence is clear that Ravi's is 10 m away from his initial point, and in East.

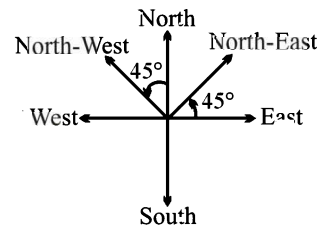
Type - 7

165. Sarvan is waiting for Rashmi at a coffee shop at 3:00pm. In his wristwatch, if the how needle point North-East, then what will be the direction, indicated by the minute needle.

- (a) North-West (b) South-West
 (c) North-East (d) South-East

RRB Group-D - 22/10/2018 (Shift-I)

Ans : (a)



On 3 pm the actual direction of the clockwise needle should be towards the East, which is North-East.

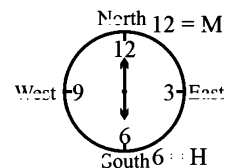
Therefore North-East direction will be obtained by moving 45° anticlockwise. Similarly the minute needle should be at 12 (North direction) from which 45° anticlockwise. will give the North-West direction.

166. Sandeep wears a watch. at 6:00 pm his clock-minute needle was facing north, then which direction would the hour-long needle be?

- (a) West (b) East
 (c) South (d) North

RRB Group-D - 22/10/2018 (Shift-III)

Ans : (c)



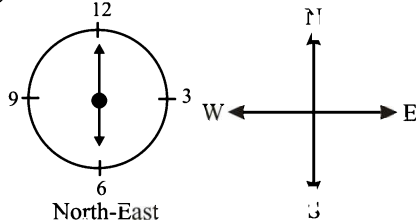
The clock hour needle of Sandeep will be in the South direction at 6:00 pm.

167. Sudha and Radha were playing chess sitting in the standard playing chess system. Sudha noted that hour-long needle on her watch showed the time of 6 O'clock and it was in the north-east direction. So what will be the direction of the hourly needle in Radha's clock?

- (a) South-West (b) South
(c) West (d) North-West

RPF Constable 18.01.2019 Shift : III

Ans. (a) :



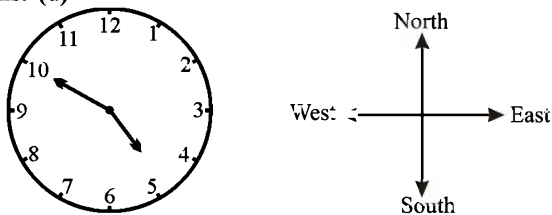
Hence hour needle in Radha's watch will be in the South-West direction.

168. Abu's watch is 4:50, where the minute needle is towards the north-east. What direction is the hour needle?

- (a) East (b) South-West
(c) South (d) South-East

RRB JE - 31/05/2019 (Shift-III)

Ans. (d)



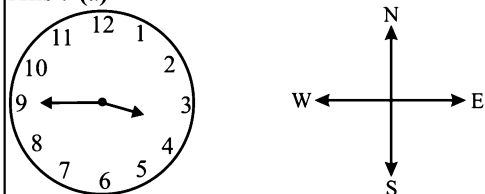
If the minute needle indicated North-West, the hour needle will indicate South-East direction.

169. A boy is standing on a platform and the clock looks at 3:45 in the evening. Hour needle points to the East and minute needles stand points to the West. In which direction the boy is facing?

- (a) North (b) South-West
(c) East (d) South-East

RRB JE - 24/05/2019 (Shift-III)

Ans : (a)



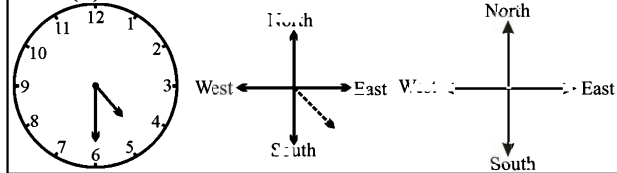
Hence, it is clear from the diagram the boy stands in North direction.

170. A clock shows the time of 4:30. If the minute needle points east, in which direction will the hour needle be ?

- (a) South-East (b) North-West
(c) North (d) North-East

RRB JE - 02/06/2019 (Shift-II)

Ans. (d)



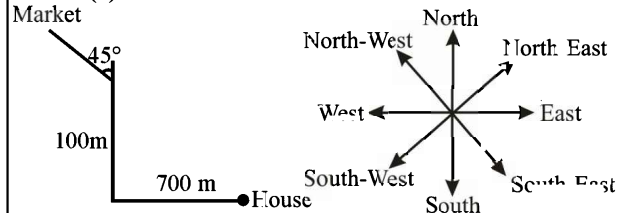
Type - 5

171. M and P go to the market from their home. They both walk 700 m West and take a right turn, walk 100 m and then turn 45° anticlockwise to reach the market of their house, in which direction is the market in relation?

- (a) South-East (b) South-West
(c) North-West (d) North-East

RRB Group-D - 26/09/2018 (Shift-III)

Ans : (c)



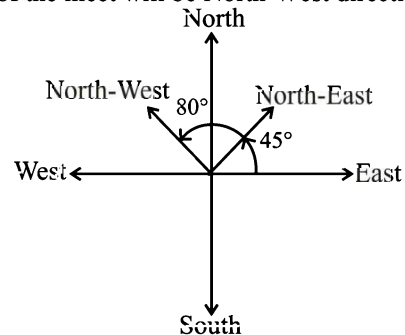
Hence, the direction of the market is to the North-west.

172. Meet starts cycling in the direction of the sun in the morning. After some time, on his left side of the 45° takes a turn and turns 80° to its left. Now in which direction is he in relation to his initial position?

- (a) North-East (b) South-East
(c) South-West (d) North-West

RRB Group-D - 27/09/2018 (Shift-I)

Ans. (d) Anticlockwise from sun direction (east) followed by 80° two turn anticlockwise. The final position of the meet will be North-West direction.

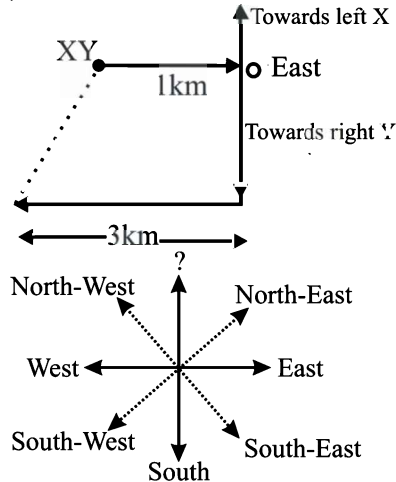


173. X and Y go on a bike ride, starting early morning, facing sun. They approach a cross road at a distance of 1 km. X takes left turn and Y goes to the right. After travelling for 1 km, Y turns to his right and travels 3 km to reach a village. In which direction is the village with respect to Y's initial position?

- (a) North-West (b) South-West
(c) North-East (d) South-East

RRB Group-D – 27/09/2018 (Shift-III)

Ans : (b)



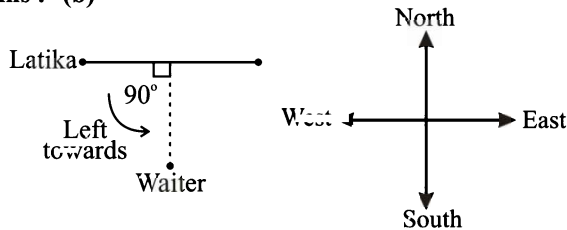
From diagram it is clear that his last position in the South-West.

174. Latika and her friend are sitting opposite each other in a restaurant. Latika is sitting facing West. The waiter comes to take the order and stands at 90° to the right of Latika. In which direction is the waiter standing?

- (a) East (b) South
(c) North (d) West

RRB Group-D – 16/10/2018 (Shift-II)

Ans : (b)



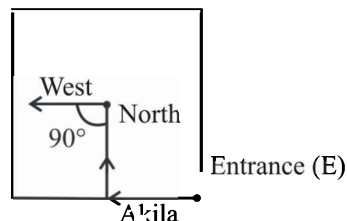
From the diagram it is clear that waiter stands South direction.

175. Akila sweep brooms a square hall whose entrance is in the East direction. After entering the room, Akila starts cleaning her right side. Once folded, she makes an angle of 90° with the sweep which direction is the sweep now?

- (a) South (b) North
(c) West (d) East

RRB Group-D – 06/12/2018 (Shift-II)

Ans. (c) :



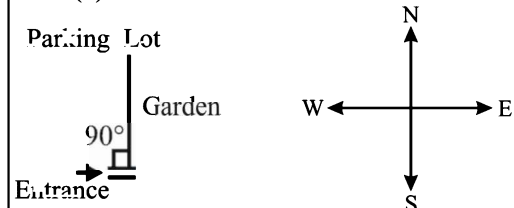
From the diagram it is clear that towards west direction.

176. Two friends are parking their vehicle in a garden. The parking lot is 200m from the garden and is located 90° to the right of the garden entrance. If the garden entrance is to the West then in which direction is the parking lot located?

- (a) South (b) West
(c) North (d) East

RRB Group-D – 05/12/2018 (Shift-II)

Ans. (a)



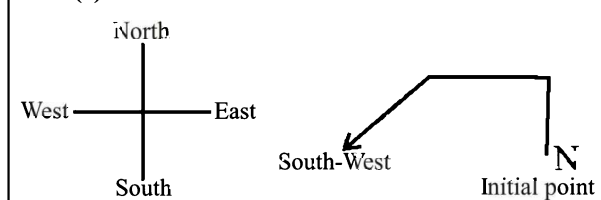
From the diagram it is clear that parking lot place in south direction.

177. N is going to clean up a gallery whose entrance is on the South side. After entering the gallery, N starts cleaning to the left. In a single blow, N makes an angle of 45° to his left with the sweep. Which direction is the broom facing now?

- (a) South-West (b) North-East
(c) South-East (d) North-West

RRB Group-D – 04/12/2018 (Shift-III)

Ans. (a)



Now sweep is facing South-West direction.

178. Which of the following statements are sufficient to answer the given question?

Question:

Shriram is now facing which direction?

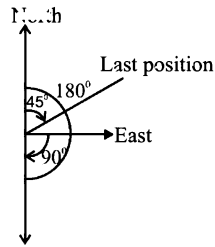
Statement :

- (I) Shriram is facing East, he first rotates 90° clockwise then 180° Anticlockwise and finally 45° clockwise.
(II) Shriram travels a distance of 2.5 km straight from his present position, then he turns to the right and walks 5 km.

- (a) Only I statement follows.
(b) Only II statement follows.
(c) Both I and II statement follows.
(d) Either I or II statement follows.

RRB Group-D – 16/11/2018 (Shift-I)

Ans : (a) Statement I –



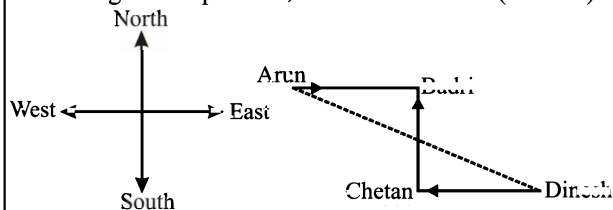
Hence he tend towards of North-East direction.
Only statement I follows.

179. Four friends Arun, Badri, Chetan and Dinesh live in the same colony. Badri's house is in the East direction of Arun's house, but North of Chetan's house. Chetan's house is in the West direction of Dinesh's house. In which direction is Dinesh's house in reference to Arun's house.

- (a) North-East
- (b) North
- (c) South-East
- (d) South

RPF SI 12.01.2019 Shift : I

Ans : (c) Four friends Arun, Badri, Chetan and Dinesh According to the question, House's direction (Friends)



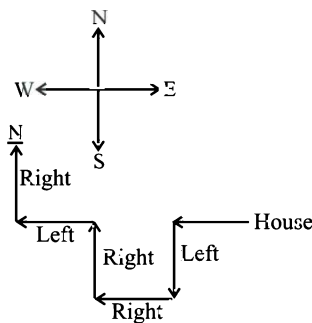
From the diagram it is clear that Arun's house South-East with respect to Dinesh's house.

180. Shipra leaves to visit her grandmother's house. She leaves her house and turns left first. After she turns to the right and then to the right and to the left. And finally she turns to the right and reaches right in front of the door of her grandmother's house. If Shipra's house is in the East direction then her grandmother's house?

- (a) East
- (b) West
- (c) South
- (d) North

RRB NTPC 18.01.2017 Shift : II

Ans. (d) :



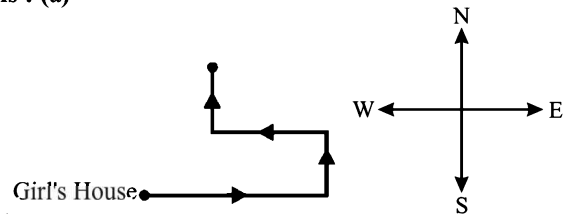
Shipra's grandmother house will in North direction.

181. A girl ran east from her house and turned. Again she turned to the left and turned to the right. How many times did she turn North and West?

- (a) Turned three times
- (b) Turned two times
- (c) Turned one times
- (d) Turned four times

RPF Constable 20.01.2019 Shift : III

Ans : (a)



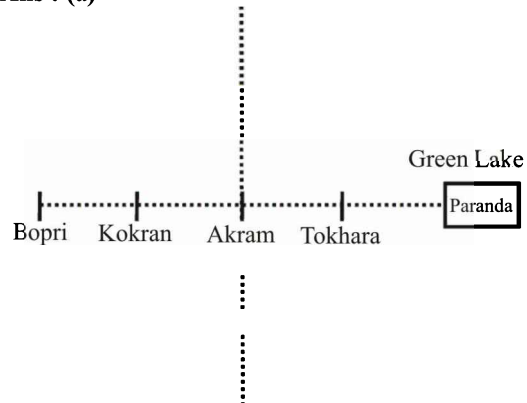
Hence the diagram it is clear that Girl turned three times to the North and West direction.

182. The city of Paranda is located on Green lake. Akram city is located to the west of paranda. Tokhara city is to the east of Akram city but West of paranda city. Kokran city is to the East of Bopri city but West of Tokhara and Akram city. If they are all in the same district, then which city is located in the far West?

- (a) Bopri
- (b) Akram
- (c) Kokran
- (d) Paranda

RRB JE - 25/05/2019 (Shift-I)

Ans : (a)



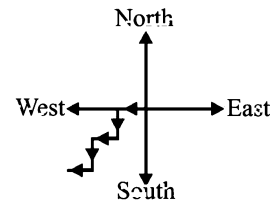
From the diagram Bopri city in the forth east west.

183. Rahul starts walking towards West. After a while he turns to the left and then to his right. Then he turns to the left and turn to the right. How many times he turns to the South.

- (a) Four times
- (b) Three times
- (c) One times
- (d) Two times

RRB JE - 22/05/2019 (Shift-I)

Ans : (d)



From the diagram Rahul two times turned towards South direction.