



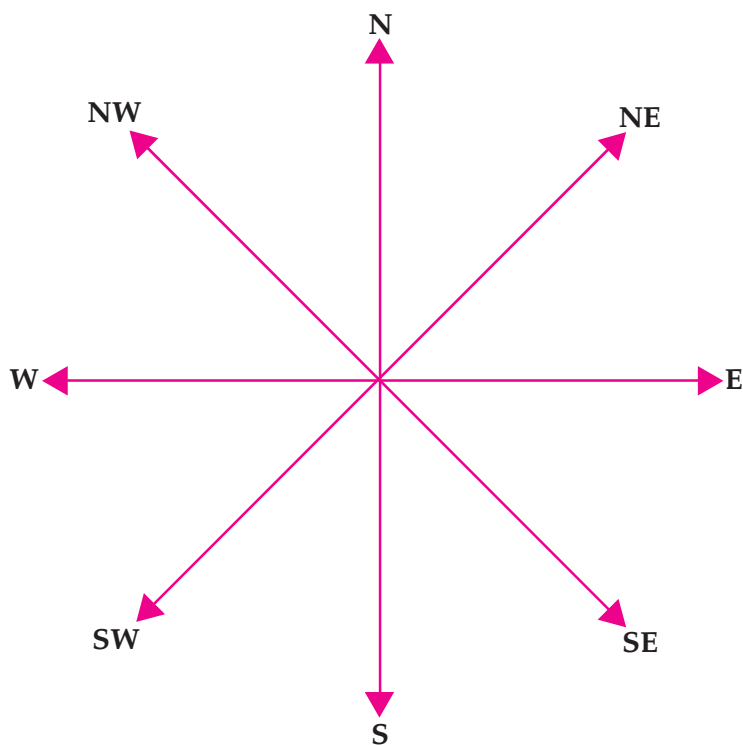
DIRECTION SENSE TEST



INTRODUCTION

After reading this chapter, students will be able to understand:

- ◆ In this test, the questions consist of a sort of direction puzzle. A successive follow-up of direction is formulated and the student is required to ascertain the final direction. The test is meant to judge the ability to trace and follow correctly and sense the direction correctly.
- ◆ The adjoining figure shows the four main directions (North N, South S, East E, and West W) and four cardinal directions (North East (NE), North West (NW), South East (SE), South West (SW)) to help the students know the directions.



Always Remember:

Direction mentioned (given)	Direction indicated
Left + left	Down
Left + right	Up
Right + left	Up
Right + right	Down
Up + left	Left
Up + right	Right
Down + left	Right
Down + right	Left

Examples:

1. A man starts from a point and walks 2 km towards North, turns towards his right and walks 2 km, turns right again and walks. What is the direction now he is facing?

(a) South

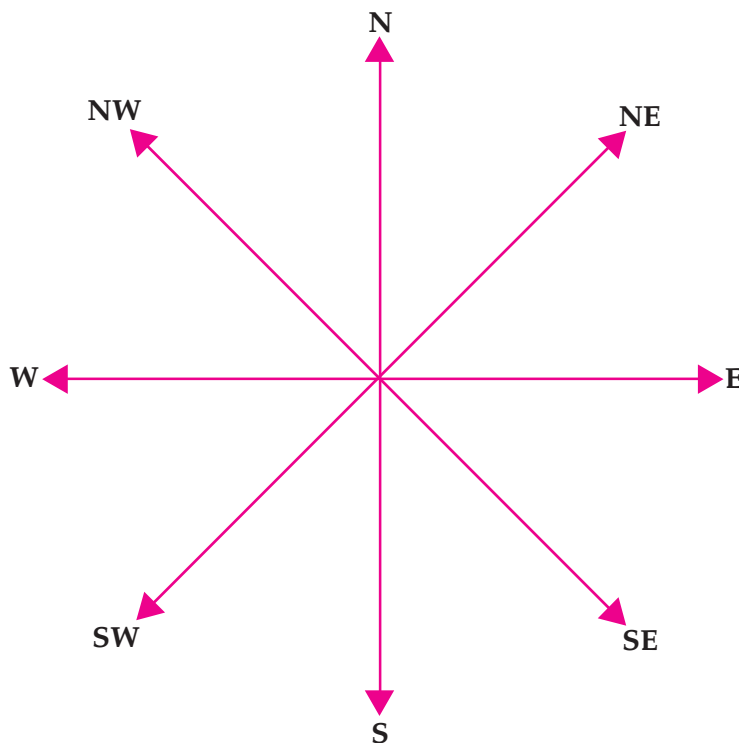
(b) South-East

(c) North

(d) West

Explanation: (a) The diagram given below helpful solving the questions and Direction Test.

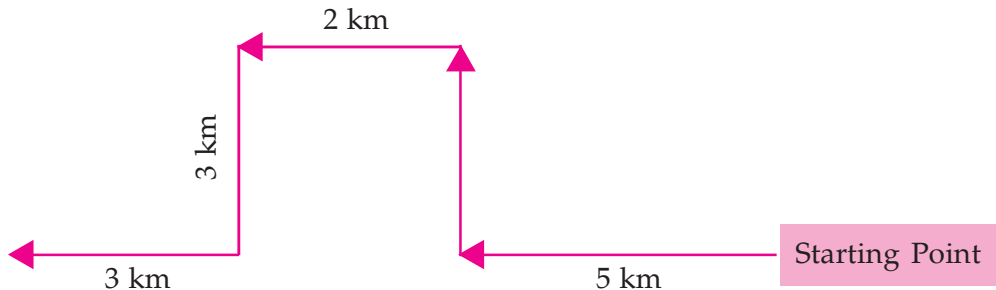
South.



2. Ramu walks 5 kms starting from his house towards west then turns right and walks 3 km. Thereafter she takes left turn and walks 2 km. Further, he turn left and walks 3 km. Finally, he turns right and walks 3 kms. In what direction he is now from his house?

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

Explanation

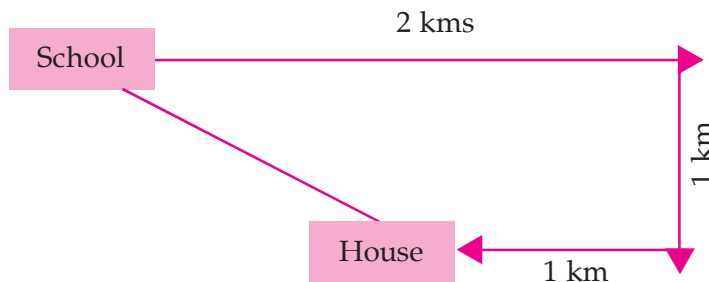


It's clear from the diagram Ramu is to the West of his house.

3. Gopal started walking 2 kms straight from his school. Then he turned right and walked 1 km. Again he turned right and walked 1 km to reach his house. If his house is south-east from his school, then in which direction did Gopal start walking from the school?

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

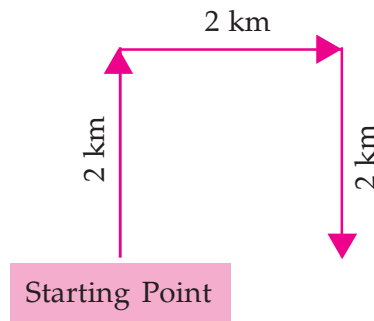
Explanation



From the diagram that Gopal Started walking towards East from the school.

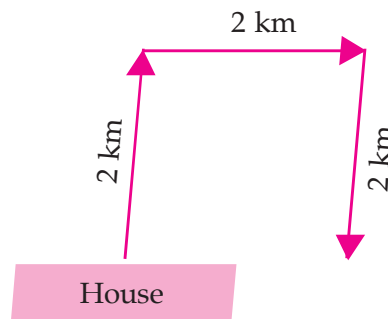
4. A man starts from a point, walks 2 kms towards north, turns towards his right and walks 2 kms, turns right again and walks. What is the direction now he is facing?

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

Explanation:

Based on the diagram the person facing towards south.

5. Janki started from her house and walked 2 km towards North. Then she took a right turn and covered one kilometre. Then she took again a right turn and walked for 2 kms. In what direction is she going?
- (a) North (b) East
(c) South (d) West

Explanation:

Based on the diagram; it's clear that Janki is going towards South.

**EXERCISE – 10(A)**

(Note: Questions are taken from previous exam questions papers of Competitive exams like SSC, RRB, MAT, UPSC etc.)

Choose the appropriate answer (a) or (b) or (c) or (d)

1. Mohan starts from point A and walks 1 km towards south, turns left and walks 1 km. Then he turns left again and walks 1 km. Now he is facing.
(a) East (b) West (c) North (d) South-West
2. Suresh starts from a point, walks 2 miles towards south, turns right and walks $1\frac{1}{2}$ miles, turns left and walks $\frac{1}{2}$ miles and then he turns back. What is the direction he is facing now?
(a) East (b) West (c) South (d) North
3. A man starts from a point, walks 4 miles towards north and turns left and walks 6 miles, turns right and walks for 3 miles and again turns right and walks 4 miles and takes rest for 30 minutes. He gets up and walks straight 2 miles in the same direction and turns right and walks one mile. What is the direction he is facing?
(a) North (b) South (c) South-East (d) West
4. Arun started from point A and walked 10 kms East to point B, then turned to North and walked 3 kms to point C and then turned West and walked 12 kms to point D, then again turned South and walked 3 kms to point E. In which direction is he from his start point?
(a) East (b) South (c) West (d) North
5. A starts from a point and walks 5 kms north, then turns left and walks 3 kms. Then again turns left and walks 5 km. Point out the direction in which he is going now.
(a) North (b) South (c) East (d) West
6. A rat run 20 kms towards East and turns to right runs 10 kms and turns to right runs 9 kms and again turns to left runs 5 kms and then turns to left runs 12 kms and finally turns to left and runs 6 kms. Now what direction is the rat facing?
(a) East (b) North (c) West (d) South
7. A driver left his village and drove North for 20 kms, after which he stopped for breakfast. Then he turned left and drove another 30 kms, when he stopped for lunch. After some rest, he again turned left and drove 20 kms before stopping for evening tea. Once more he turned left and drove 30 kms to reach the town where he had supper. After evening tea in which direction did he drive?
(a) West (b) East (c) North (d) South
8. A man is facing East, then he turns left and goes 10 m, then turns right and goes 5 meters then goes 5 meters to the South and from there 5 meters to West. In which direction is he from his original place?
(a) East (b) West (c) North (d) South

9. From her home Prerna wishes to go to school. From home she goes towards North and then turns left and then turns right, and finally she turns left and reaches school. In which direction her school is situated with respect to her home?
- (a) North-East (b) North-West (c) South-East (d) South-West
10. A child walks 25 feet towards North, turns right and walks 40 feet, turns right again and walks 45 feet. He then turns left and walks 20 feet. He turns left again walks 20 feet. Finally, he turns to his left to walks another 20 feet. In which direction is the child from his starting point?
- (a) North (b) South (c) West (d) East
11. Raju facing North and moves 20 kms, then he turned to his right and moves 20 kms and then he moves 10 kms in North-East, then he turned to his right and moves 20 kms and then he turned to his right and moves 20 kms and again he turned to his left and moves 20 kms. Now in which direction Raju is facing?
- (a) South-East (b) North-East (c) South-West (d) North-West
12. K is a place which is located 2 kms away in the north-west direction from the capital P. R is another place that is located 2 kms away in the south-west direction from K. M is another place and that is located 2 kms away in the north-west direction from R. T is yet another place that is located 2 kms away in the south-west direction from M. In which direction is T located in relation to P?
- (a) South-West (b) North-West (c) West (d) North
13. Babu is Rahim's neighbour and his house is 200 meters away in the north-west direction. Joseph is Rahim's neighbour and his house is located 200 meter away in the south-west direction. Gopal is Joseph's neighbour and he stays 200 meters away in the south-east direction. Roy is Gopal's neighbour and his house is located 200 meters away in the north-east direction. Then where is the position of Roys' house in relation to Babu's ?
- (a) South-East (b) South-West (c) North (d) North-East
14. A tourist drives 10 km towards west and turns to left and takes a drive of another 4 km. He then drives towards east another 4 km and then turns to his right and drives 5 km . Afterwards he turns to his left and travels 6 km. In which direction is he from the starting point?
- (a) North (b) East (c) West (d) South
15. A man started walking West. He turned right, then right again and finally turned left. Towards which direction was he walking now?
- (a) North (b) South (c) West (4) East
16. One evening, Raja started to walk toward the Sun. After walking a while, he turned to

his right and again to his right. After walking a while, he again turned right. In which direction is he facing?

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

17. Five boys A, B, C, D and E are sitting in a park in a circle. A is facing South-West, D is facing South-East, B and E are right opposite A and D respectively and C is equidistant between D and B. Which direction is C facing?

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

18. If a man on a moped starts from a point and rides 4 kms South then turns left and rides 2 kms and turn again to the right to ride to go more towards which direction is he moving ?

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

19. A man starts from a point, walk 8 kms towards North, turns right and walks 12 kms, turns left and walks 7 km turns and walks 20 kms towards South, turns right and walks 12 kms. In which direction is he from the starting point?

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

20. Daily in the morning the shadow of Gol Gumbaz falls on Bara Kaman and in the evening the shadow of Bara Kaman falls on Gol Gumbaz exactly. So in which direction is Gol Gumbaz to Bara Kaman?

- (a) Eastern side (b) Western side (c) Northern side (d) Southern side

21. Ashok went 8 kms South and turned West and walked 3 kms again he turned North and walked 5 kms. He took a final turn to East and walked 3 kms. In which direction was Ashok from the starting point?

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

22. If X stands on his head with his face towards south, to which direction will his left hand point ?

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

23. I drove East for 5 miles then drove North 3 miles, then turned to my left and drove for 2 miles and again turned to my left. Which direction am I going now?

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

24. If A stands on his head with his face towards north. In which direction will his left hand point ?

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

25. A car travelling from south covers a distance of 8 kms, then turns right and runs another 9 kms and again turns to the right and was stopped. Which direction does it face now?

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

26. A taxi driver commenced his journey from a point and drove 10 kms toward north and turned to his left and drove another 5 kms. After waiting to meet a friend here, he turned to his right and continued to drive another 10 km. He has covered a distance of 25 kms so far, but in which direction would he be now?
- (a) South (b) North (c) East (d) South-east
27. A walks 3 kms northward and then he turns left and goes 2 kms. He again turns left and goes 3 kms. He turns right and walks straight. In which direction is he walking now?
- (a) East (b) West (c) North (d) South
28. A walks southwards, then turns right, then left and then right. In which direction is he from the starting point?
- (a) South (b) East (c) West (d) North
29. A man starts from a point, walks 15 metres towards East, turns left and walks 10 metres, turns right again and walks. Towards which direction is he now waking?
- (a) North (b) East (c) West (d) South
30. 30. A boy starts walking towards west, after a while walking he turns right and after walking for 20 minutes. Towards which direction he is walking now ?
- (a) West (b) North (c) South (d) East
31. I stand with my right hand extended side-ways towards South. Towards which direction will his back be ?
- (a) North (b) West (c) East (d) South
32. If a person moves 4 kms towards west, then turns right and moves 3 kms and then turns right and moves 6 kms, which is the directions in which he is now moving ?
- (a) East (b) West (c) North (d) South
33. If Mohan sees the rising sun behind the temple and the setting sun behind the railway station from his house, what is the direction of the temple from the railway station?
- (a) South (b) North (c) East (d) West
34. Laxman went 15 kms to North then he turned West and covered 10 kms. Then he turned south and covered 5 kms. Finally turning to East he covered 10 kms. In which direction he is from his house?
- (a) East (b) West (c) North (d) South
35. A man starts from a point, walks 4 miles North, turns to his right and walks 2 miles, again turns to his right and walks 2 miles, again turns to his right and walks 2 miles. In

which direction would he be now from into starting point.

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

36. I started walking down a road in the morning facing the Sun. After walking for sometime I turned to my left. Then I turned to my right. In which direction was I going then ?

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

37. Lakshmi walked 2 kms north from her house and took a turn to left and continued to walk another one kilometre and finally she turned left and reached the school. Which direction is she facing now?

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

38. You are going straight, first eastwards, then turn to the right, then right again, then left. In which direction would you be going now?

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

39. If Ahmed travels towards North from his house, then to left, then to South covering equal distances in each direction to reach Sohan's house, in which direction is Ahmed's house now?

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

40. Raja comes towards North, turn right, then right again and then go to the left. In which direction is Raja now?

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

41. Roopa starts from a point and walks 15 metres towards west, turns left and walks 12 metres, turns right again and walks. What is the direction she is now facing?

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

42. A man starts his journey facing the sun early morning. He then turns right and walks 2 kms. He then walks 3 kms after turning right again. Which is the direction he is facing now?

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

43. Roy walks 2 kms to East, then turns North-West and walks 3 kms. Then he turns South and walks 5 kms. Then again he turns West and walks 2 kms. Finally he turns North and walks 6 kms. In which direction, is he from the starting point?

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

44. Seeta starts from a point, walks 2 kms towards north, turns towards her right and walks 2 kms, turns right again and walks. What is the direction she is facing now?

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

45. Shyam was facing East. He walked 5 kms forward and then after turning to his right walked 3 kms. Again he turned to his right and walked 4 km. After this he turned back. Which direction was he facing at that time?
- (a) East (b) West (c) North (d) South
46. Raju is standing facing north. He goes 30 metres ahead and turns left and goes for 15 metres. Now he turns right and goes for 50 metres and finally turns to his right and walks. In which direction is he heading?
- (a) North (b) East (c) South (d) West
47. Sanmitra starts from his house and walks 3 kms towards north. Then he turns right and walks 2 kms and then turns right and walks 5 kms, then turns right and walks 2 kms and then again turns right and walks 2 kms. Which direction is he facing now?
- (a) North (b) South (c) West (d) East
48. Raju is Ramu's neighbour and he stays 100 metres away towards southeast. Venu is Raju's neighbour and he stays 100 metres away towards southwest. Khader is Venu's neighbour and he stays 100 metres away towards, north-west. Then where is the position of Khader's home in relation to Ramu's?
- (a) South-East (b) South-West (c) North-West (d) East
49. Ramesh walked 3 kms, towards West and turned to his left and walked 2 kms. He, then turned to his right and walked 3 kms. Finally, he turned to his right again and walked another 2 kms. In which direction is Ramesh from his starting point now?
- (a) East (b) West (c) North (d) South
50. Deepa starts walking north towards and after a while she turns to her right. After walking some distance, she turns to his left and walks a distance of 1 km. She then urns to her left again. In which direction she moving now?
- (a) North (b) West (c) East (d) South
51. Raman starts walking in the morning facing the Sun. After sometime, he turned to the left later again he turned to his left. At what direction is Raman moving now?
- (a) East (b) West (c) South (d) North
52. Kamal starts walking towards North, then turns left and cover some distance, then he turns towards right and walks. After some time he turns to his right and then turns left. In which direction Kamal is walking now
- (a) East (b) South (c) North (d) South-East
53. X walks southwards and then turns right, then left and then right,. In which direction is he moving now?
- (a) South (b) North (c) West (d) South-West

54. A man started to walk East. After moving a distance, he turned to his right. After moving a distance, he turned to his right again. After moving a little he turned in the end to his left. In which direction was he going now.?

(a) North

(b) South

(c) East

(d) West

ANSWERS: EXERCISE 10(A)

- | | | | | |
|---------|---------|---------|---------|---------|
| 1. (c) | 2. (d) | 3. (b) | 4. (c) | 5. (b) |
| 6. (b) | 7. (b) | 8. (c) | 9. (b) | 10. (d) |
| 11. (a) | 12. (c) | 13. (a) | 14. (d) | 15. (a) |
| 16. (a) | 17. (d) | 18. (d) | 19. (b) | 20. (a) |
| 21. (d) | 22. (b) | 23. (a) | 24. (c) | 25. (a) |
| 26. (b) | 27. (b) | 28. (a) | 29. (b) | 30. (b) |
| 31. (b) | 32. (a) | 33. (c) | 34. (c) | 35. (a) |
| 36. (a) | 37. (c) | 38. (c) | 39. (a) | 40. (b) |
| 41. (b) | 42. (c) | 43. (c) | 44. (c) | 45. (a) |
| 46. (b) | 47. (a) | 48. (b) | 49. (b) | 50. (b) |
| 51. (b) | 52. (c) | 53. (c) | 54. (b) | |

