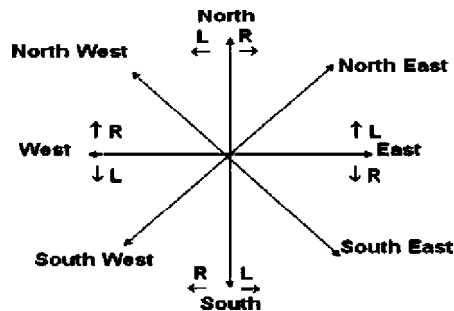


## 2. DIRECTIONS

To answer the questions from this topic without any confusion, we can follow the following diagram in which ever direction we are sitting while answering the questions.



- Aswin started from his college and walked 3 km forward, then he turned left and walked 4.5 km. Again he turned left and walked 3 km. Finally he walked 4.5 km towards his right. How far is he from his starting point?  
a) 7.5 km                      b) 15 km  
c) 6 km                         d) 9 km
- Deepa walked 8 km towards east then she took 90° towards her right and walked 12 km, again she turned to her right and walked 8 km. How far is she from her starting point?  
a) 12 km North                b) 8 km South  
c) 12 km South                d) 28 km South
- Virat and Rohit started from a place and walked 6 km towards east and west respectively. From there again they have taken left turn and walked 9 km. Finally they have taken left turn and walked 6 km. Find the distance between them.  
a) 12 km                        b) 18 km  
c) 30 km                        d) 15 km
- Kashyap started from P and walked towards west and stopped at Q. Then he took 90° to his left and walked 6 km. From there he walked North-East 10 km and reached P. Find the distance between P and Q.  
a) 5 km                         b) 7 km  
c) 9 km                         d) 8 km
- A watch is showing 3:30. If the minute hand point towards east, in which direction will the hour hand point?  
a) North- East                b) West  
c) North-West                d) South-East
- Mourya walked 7 km towards west from KFC. Then walked 4 km to his left, again he took another left turn and walked 2 km, then he turned to his right and walked 1 km towards south. Finally he walked 5 km towards east to reach CCD. How far is CCD from KFC and in which direction?  
a) 6 km South                b) 5 km North  
c) 5 km South                d) 8 km North

### Directions:- (7 to 9)

Seven colonies A, B, C, D, E, F and G are situated as follows:

- E is 2 km to the West of B
  - F is 2 km to the North of A
  - C is 1 km to the West of A
  - D is 2 km to the South of G
  - G is 2 km to the East of C
  - D is exactly in the middle of B and E
- Which two colonies are farthest from one another?  
a) F and E                      b) G and E  
c) D and C                      d) F and B
  - How far is colony E from colony F?  
a) 5 km                         b)  $\sqrt{26}$  km  
c) 4 km                         d)  $\sqrt{20}$  km
  - A is in the middle of \_\_\_\_  
a) E and G                      b) E and C  
c) G and C                      d) F and G
  - Ramcharan is facing east, turns 100° in the clockwise direction and then 145° in the anti-clockwise direction. Which direction is he facing now?  
a) South-West                b) North  
c) East                         d) North-East
  - Kishore is facing South turns 135° left and then 180° right. Which direction is he facing now?  
a) South-East                b) South-West  
c) North                        d) South

**Directions: (12 to 16)**

Varun walks 2 km towards North, then turns right and walks 4 km. He then turns right and walks 4 km and turns again to right and walks another 4 km. There he meets Radha coming from the opposite direction.

12. After taking the first turn, in which direction was Varun going?  
a) South                      b) North  
c) West                      d) East
13. If Varun's starting point is marked as A and finishing point as B, what will be the distance between these two points?  
a) 10 km                      b) 8 km  
c) 6 km                      d) 2 km
14. From which direction was Radha coming?  
a) South                      b) North  
c) West                      d) East
15. After taking the second turn, in which direction was Varun walking?  
a) South-East                      b) North-East  
c) South                      d) East
16. If Varun has to reach again the point from where he started, in which direction he has to go?  
a) South-East                      b) North-East  
c) North                      d) East

**Directions for questions 17 to 25:** Select the correct alternative from the given choices.

17. Harish travels 8 km towards east and then travels 10 km towards north. He turns left to travel 6 km further. Now he travels 5 km to his right followed by 10 km to his left. How far is he from his initial position?  
(a) 23 km                      (b) 17 km  
(c) 18 km                      (d) 37 km
18. Leela travels 5 km towards east followed by 22 km to her right. She turns left to travel 9 km followed by 26 km towards south. How far is she from the initial position?  
(a) 39 km                      (b) 27 km  
(c) 50 km                      (d) 61 km
19. Two friends Suraj and Dheeraj start from a place and travel 5 km towards east. From there, Suraj travels 8 km to his left whereas Dheeraj travels 6 km to his right. Again from there, Suraj travels 3 km to his left followed by 4 km to his right, while Dheeraj travels 3 km to his right followed by 6 km to his left. Finally, what is the distance between Suraj and Dheeraj?

- (a) 32 km                      (b) 28 km  
(c) 26 km                      (d) 24 km

20. Sudip travels 2 km towards east followed by 4 km towards his right. He turns left to travel 6 km followed by 5 km towards his right. Finally, how far and in which direction is he, approximately, from the starting point?  
(a) 12 km North-west                      (b) 12 km South  
(c) 12 km South-east                      (d) 12 km North-east  
(e) 13 km South-east
21. Charles travels 5 km towards north followed by 3 km towards his right. Further he travels 11 km to his left followed by 2 km to his right followed by another 7 km to his left. What is the vertical distance between the initial and the final positions of Charles?  
(a) 28                      (b) 25  
(c) 27                      (d) 23
22. Starting from her house, Nisha traveled 8 m towards west, then turned right and travelled 15 m. She then traveled 20 m towards east, followed by 20 m to south to reach a hostel. How far is her house from the hostel and in which direction?  
(a) 12 km North-west                      (b) 13 km South  
(c) 13 km South-west                      (d) 13 km North-West  
(e) 13 km South-east
23. Chanakya started walking towards north to reach his school. After reaching the school he turned  $180^\circ$  in clockwise direction and  $45^\circ$  in anticlockwise direction. Which direction is he facing now?  
(a) North-west                      (b) North-east  
(c) South-west                      (d) North  
(e) South-east
24. Mr. Gourav travels a distance of 18 km towards north, 9 km towards east and finally 22 km towards his left. How far is the initial position from the final position and in which direction?  
(a) 41 km & north-east                      (b) 40 km & north-east  
(c) 41 km & south-west                      (d) 45 km and south-east
25. 1) One morning, Ram and Shyam were talking, facing each other. It is observed that Ram's shadow fell to his left. Then which direction was Shyam facing?  
(a) East                      (b) South  
(c) North-east                      (d) North (e) West
- 2) On one evening Samanta and Nitya menon were talking, facing each other. Samanta observed that Nitya menon's shadow was falling to Samanta's left. In which direction was Samanta facing?  
(a) East                      (b) South  
(c) North-east                      (d) North (e) West

| Directions |   |           |   |           |   |           |   |           |     |
|------------|---|-----------|---|-----------|---|-----------|---|-----------|-----|
| <b>1</b>   | d | <b>6</b>  | c | <b>11</b> | b | <b>16</b> | c | <b>21</b> | d   |
| <b>2</b>   | c | <b>7</b>  | d | <b>12</b> | d | <b>17</b> | b | <b>22</b> | d   |
| <b>3</b>   | b | <b>8</b>  | c | <b>13</b> | d | <b>18</b> | c | <b>23</b> | E   |
| <b>4</b>   | d | <b>9</b>  | c | <b>14</b> | c | <b>19</b> | d | <b>24</b> | C   |
| <b>5</b>   | a | <b>10</b> | d | <b>15</b> | c | <b>20</b> | c | <b>25</b> | b,b |