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Direction Sense Questions for IBPS PO PRE, SBI PO PRE, SBI Clerk Mains, IBPS Clerk Mains, IBPS SO Pre and RRB Scale I Pre Exams.

Direction Sense Quiz 14

Directions: Read the given information carefully and answer the questions given below:

1. Anaya is 15m to the west of Rithika. Rithika is 20m to the north of Genelia. Genelia is 12m to the east of Diksha. Faizah is 16m to the north of Diksha. If Anaya has to meet Faizah through the shortest distance and then has to meet Genelia from Faizah's point through the shortest distance, then what is the total distance travelled by Anaya?

A. 25m B. 20m C. 35m D. 30m E. Cannot be determined

2. Ajay, who is facing exactly in south-east direction, turns 45 degree in anti clock-wise direction, then 135 degree clockwise direction and then 90 degree in anti clock wise direction. In which direction Ajay is facing now?

A. North-West B. East C. South-East D. West E. None of these

3. Point L is 2m towards north of point C. Point N is 7m towards east of point L. Point O is 8m towards south of point N. Point T is 12m towards west of point O. What is the direction of point C with respect to point T?

A. Northeast B. Southwest C. North D. Southeast E. South

4. Rajesh walked 25 meters towards South. Then he turned to his left and walked 20 meters. He then turned to his left and walked 25 meters. He again turned to his right and walked 15 meters. At what distance is he from the starting point and in which direction?

A. 60 meters-East B. 35 meters-East C. 35 meters-North D. 40 meters-East E. None of these

Direction : Read the given information carefully and answer the questions given beside: (A set of 2 questions)

Ramlin and Divya are two friends. They start walking from same point but in opposite direction. Ramlin walks towards north. After walking 10km Ramlin takes a right turn and walks for 5km then turns 90 degree in clockwise direction and walks 20km to reach his office and then takes a left turn and walks 5km to reach canteen. Divya also follows the same condition as Ramlin.

5. What is the direction of Divya's office with respect to the starting point?

A. North-west B. North C. South D. South-east E. East

6. If Ramlin takes another left turn from canteen and walks 20km to reach his home. Then find the shortest distance between Ramlin's homes to Ramlin's office?

A. 9√12 km B. 4√37 km C. 5√17 km D. 17√5 km E. None of these

Direction : Read the given information carefully and answer the questions given beside: (A set of 2 questions)

Arjun is standing at Central Park and now he wants to go to India Gate. So, he started walking in the north direction for 6 km then took a left turn and walked for 4 km before taking another left turn. Then he moved 3 km and reached Cannaught place(CP) and took a right turn from there and walked for 8 km. After walking 12 km in south direction he reached his destination.

7. What is the shortest distance between India Gate and Central Park?

A. 12 km B. 15 km C. 21 km D. 14 km E. None of these

8. Central Park is in which direction from CP?

A. West B. South-west C. South-east D. North-west E. South

Direction : Read the given information carefully and answer the questions given beside: (A set of 2 questions)

Car X starts from point A and travels in a straight line towards north for 8 km and takes a right turn and travels for 12 km then turns towards left and travels for 6 km before taking a right turn it travels for 10 km and takes a right turn and travels for 15 km and reaches a point B which is 8 km towards west of the point C where car Y stands.

9. What is the position of Car Y with respect to initial position of car X?

A. East B. Northwest C. Southeast D. Southwest E. West

10. What is total distance travelled by car X in east direction?

A. 18 km B. 22 km C. 29 km D. 30 km E. None of these

Correct Answers:

1	2	3	4	5	6	7	8	9	10
A	C	A	B	A	C	B	C	C	B

Explanations:

1.

Explanation/References:

- Anaya is 15m to the west of Rithika.
- Rithika is 20m to the north of Genelia.
- Genelia is 12m to the east of Diksha.
- Faizah is 16m to the north of Diksha.

Shortest distance between Anaya to Faizah:

$\sqrt{4^2+3^2} = \sqrt{16+9} = \sqrt{25}$ = 5m

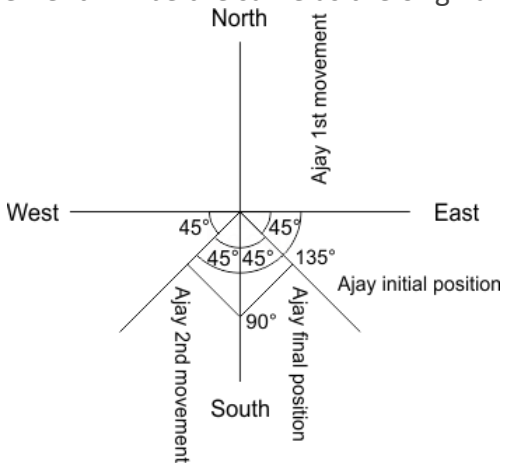
Shortest distance between Anaya to Genelia:

$\sqrt{16^2+12^2} = \sqrt{256+144} = \sqrt{400}$ = 20m

Total distance travelled by Anaya = 5m + 20m = 25 m

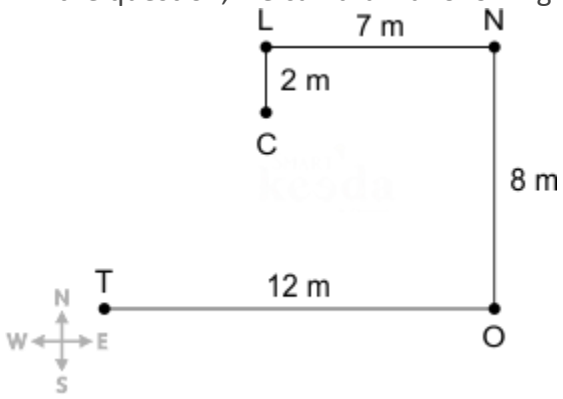
Hence, option A is correct.

2. The following common explanation, we get **"South-East".**
Total angular movement in anti-clockwise direction = 45 + 90 = 135 degrees and
Total angular movement in clockwise direction = 135 degree
Resultant angular movement = 135 – 135 = 0 degree
Therefore, the resultant movement will be the same as the original direction.



Hence, option C is correct.

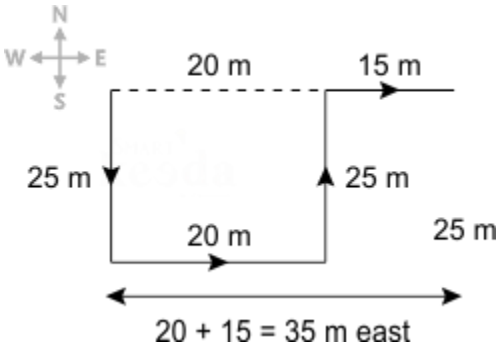
3. Using the information given in the question, we can draw a following figure:



After observing the above figure, we can say that point C is in northeast direction with respect to point T.

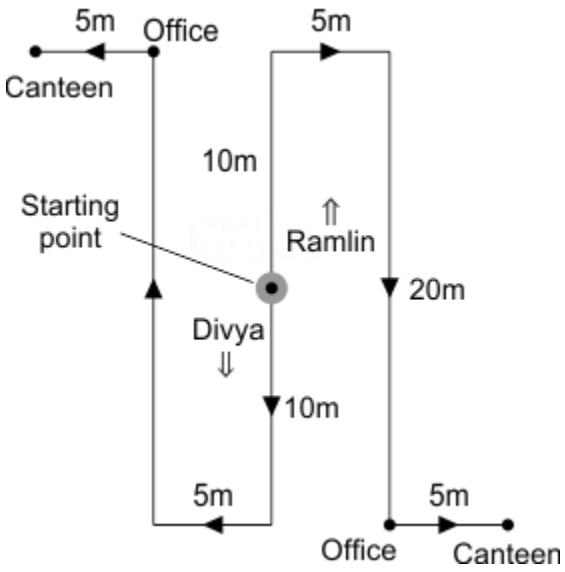
Hence, the correct answer is option **A**

4.



Hence, option B is correct.

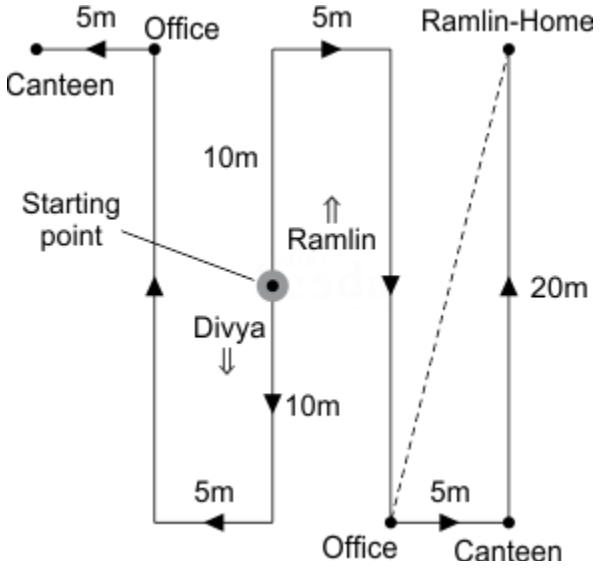
Common explanation :- [SET 1]



Answers:

5. The following common explanation, we get **"North-west"**.
Divya's office is in north-west direction with respect to the starting point.
Hence, option A is correct.

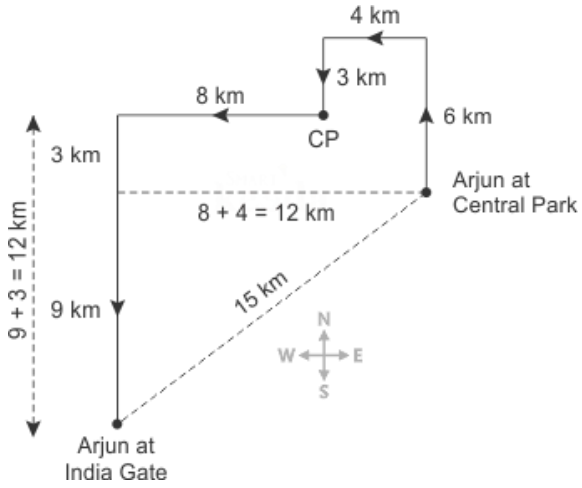
6. The following common explanation, we get **"5√17 km".**



$5^2 + 20^2 = 25+400 = 425 = 25 \times 17 = 517$ km
Shortest distance between Ramlin's homes to Ramlin's office
Hence, option C is correct.

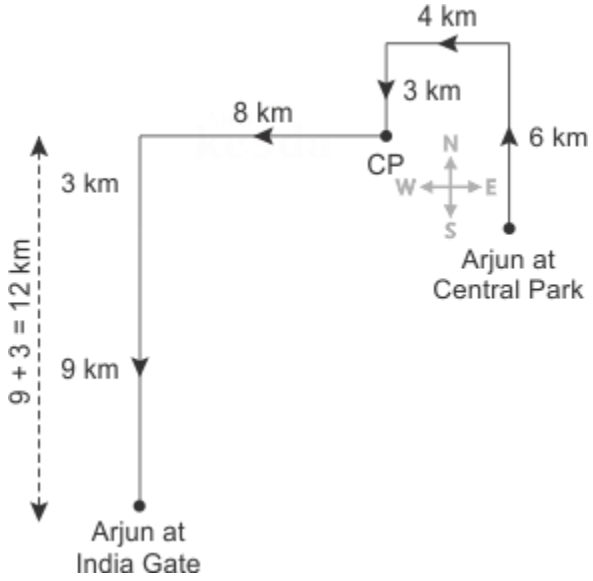
7. From the following image it is clear that the shortest distance between India Gate and Central Park is 15 km.(Using Pythagoras theorem)

Hence option B is correct.



8. From the following image it is clear that Central Park is in south-east direction from CP.

Hence option C is correct.



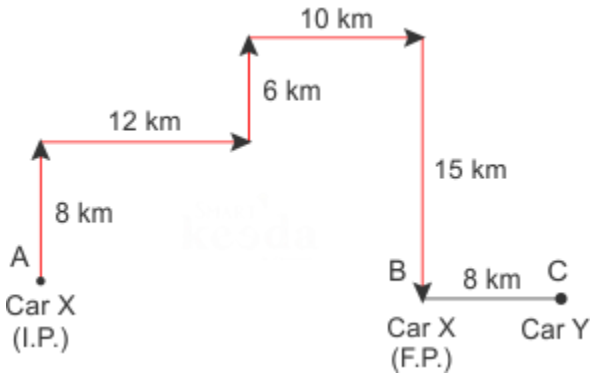
Common explanation :- [SET 3]

Reference:

Car X starts from point A and travels in a straight line towards north for 8 km and takes a right turn and travels for 12 km then turns towards left and travels for 6 km before taking a right turn it travels for 10 km and takes a right turn and travels for 15 km and reaches a point B which is 8 km towards west of the point C where car Y stands.

Inference:

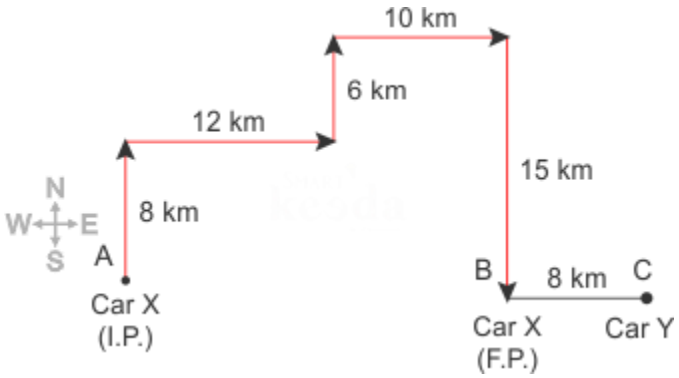
Here, the distance travelled by car X is marked in red colour.



9. Following the final solution, we can say that Car Y is southeast direction with respect to initial position of car X.

Hence, the correct answer is option **C**.

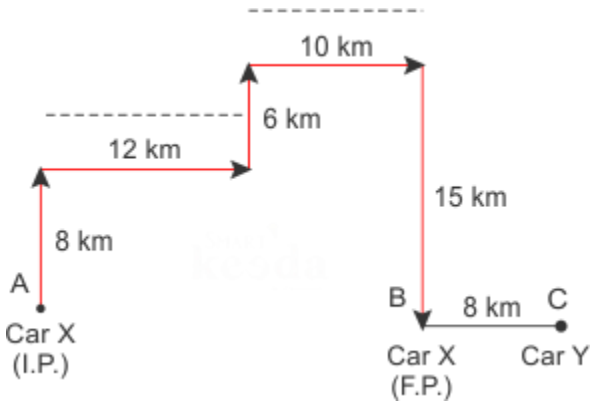
Final Solution:



10. Following the final solution, we can say that total distance travelled by car X in east direction is (10 + 12) km = 22 km.

Hence, the correct answer is option **B**.

Final Solution:



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