

Distance & Direction

Direction (1): Study the following information carefully and answer the given question.

Point B is 7m south of Point A. Point C is 10m east of point Point B. Point D is 5m south of Point C.

Point H is 2m north of Point G. Point F is 4m west of Point G. Point E is 6m east of Point D. Point E is south of Point F. Distance between E and F is 10m.

1. What is distance between Point F and Point E?
(A) 10m (B) 5m
(C) 2m (D) 7m
(E) 6m

Direction (2-3): Study the following information carefully and answer the given questions:

Pranav and Pranjal starts from the same point. Pranav moves 10 m towards North then takes a right and moves 5 m ahead and finally halt after moving 2 m towards his right . Pranjal walked towards West for 10 m, then he takes a left and moves for next 10 m, then he again turns to his left and moves for 15 m and finally stops after moving 5 m towards his left.

2. If Pranav cannot see Pranjal shadow then what might be the time, and what is the distance between both of them?
(A) 10 am, 13 (B) 3 pm, 15 m
(C) 9 am, 15 m (D) 12 pm, 13 m
(E) 9 am, 13 m
3. If Pranav's shadow is to the right of Pranjal then what might be the time?
(A) 12 am (B) 3 pm

- (C) 9 am (D) 12 pm
(E) Cannot be determined

Directions (4-5): Study the information given below carefully and answer the questions that follow.

Point E is 5 km to the South of point A. Point I is 5 km to the East of point E and point O is 5 km to the South of point I. Point U is 2 km to the West of point O while point V is 3 km to the south of point U. Point W is 3 km to the West of point V and point X is 5 km to the north of point W.

4. What is the distance between A and X?
(A) 6 km (B) 8 km
(C) 10 km (D) 9 km
(E) 12 km

5. What is the direction of point I with respect to point W?
(A) North-West (B) West
(C) North- East (D) East
(E) South-East

Direction (6-8): Study the following information carefully and answer the given questions:

Vaishali starts running for a race, from a point towards North and after covering 4 km takes four consecutive left turns and runs 5km, 5km, 6km and 1km distance respectively to reach the finish point.

6. What is the shortest distance between her initial and finish points?
(A) 1 km (B) 2 km
(C) 3 km (D) 4 km
(E) none of these

7. In which direction was she facing before finishing the race?
(A) East (B) West
(C) North (D) South
(E) none of these

8. After taking the second turn, in which direction was she running?
(A) East (B) West
(C) North (D) South
(E) none of these

9. Symbol % is situated to the north of symbol &, symbol \$ is situated to the east of symbol %, symbol @ is situated to the left of symbol &, in which direction is symbol @ situated with respect to symbol \$?
(A) West (B) South-East
(C) South (D) North-West
(E) None of these

10. Ranjeet leaves his home and goes straight 2 km, then turns right and goes 1 km. He turns left and goes 3 km and finally turns right and starts walking. If now he is moving in the north direction, then in which direction did he start his walking?
(A) East (B) West
(C) North (D) South
(E) None of these

Direction (11-13): Study the following information carefully and answer the given questions.

Point B is 14m east of point A. Point C is 9m north of point B. Point D is 12m east of point C. Point E is 15m south of point D. Point F is 30m west of point E. Point G is 10m north of point F. Point H is 18 m east of point G.

11. If point X is 6m south of point A then which point is at shortest distance from point X?
(A) E (B) A
(C) F (D) B

(E) G

12. What is the distance of point C from point H?
(A) 9m (B) 5m
(C) 4m (D) 6m
(E) 7m
13. Point B is in which direction with respect to point F?
(A) South (B) South-east
(C) North (D) North-east
(E) North-west

Direction (14-16): Read the information carefully and answer the question:

Point F is 7m east of point A. Point D is 5m south of point F. Point K is 6m east of point D. Point E is 4m north of point K.

14. If Point M is 6m east of point F. Point Q is 3m south of point M than which one come in a single row?
(A) FME (B) MEQ
(C) QKA (D) FDK
(E) None
15. If X goes to 1m south to point A than find the distance between X and E?
(A) 9m (B) 11m
(C) 13m (D) 15m
(E) none of these
16. What is the direction of K respected to F?
(A) north-west (B) south-west
(C) south-east (D) north-east
(E) none of these

Direction (17-19): Study the following information carefully and answer the questions given below:

Point A is 20m east of B. Point D is 15m west of point C. Point E is 45m south of

point D. Point C is 30 m north of point B. Point F is 15m north of point A. G is the midpoint of point B and point C.

- (A) 20m east (B) 30m west
(C) 30m east (D) 20m west
(E) None of these

17. If H is the 15m south of point D, then what is the distance between point E and point H?
(A) 20m (B) 25m
(C) 30m (D) 45m
(E) None of these
18. Four of the following five belongs to a group find the one that does not belong to that group?
(A) F,C (B) A,G
(C) A,C (D) E,B
(E) B, D
19. In which direction and at what distance is point G, with respect to point F?

Direction (20): Study the following information carefully and answer the questions given below:

Point A is 15m north of point B. Point E is 20m east of point A. Point C is 20m west of point B. Point D is 15m south of point C. Point F is 40m south of point E. Point G is 10m north of point F.

20. If Point H is the midpoint of EG then what will the distance between C and H?
(A) 20m (B) 40m
(C) 15m (D) 30m
(E) 10m