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# Direction Sense Questions for LIC AAO, IBPS PO PRE, SBI PO PRE, SBI Clerk Mains, IBPS Clerk Mains and IBPS SO Pre Exams.

## Direction Sense Quiz 15

**Directions: Study the following information carefully and answer the questions given beside:**

Sumit started walking in east direction from point A. After walking 15 m he reached point B, from there he takes a left turn and walk 10 m to reach point C. From C, he turns left and walk 7 m and reaches point D. Then, he turns left and walks 34 m to reach point E. From point E he turns right and walks 28 m. Now he reached point F and from there he turns right and walks 40 m to reach point G. From point G he turns right and walks 32 m to reach point H.

**1.     What is the direction of G with respect to A?**

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

**2.     If point J is the point of intersection of points A, B, D and E then which of the following is/are true about J?**

A. Point H is to the north of J.          B. JE + JD = GF - 6          C. J is to the north of D.
D. All are true                              E. None is true

**3.     What is the total distance travelled by Sumit in west direction?**

A. 35 m              B. 64 m              C. 56 m              D. 43 m              E. None of these

**4.     What is the direction of point C with respect to point H?**

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

**5.     What is the shortest distance between points A and H?**

A. √481 m              B. 25 m              C. 16√15 m              D. 20 m              E. None of these

## Correct Answers:

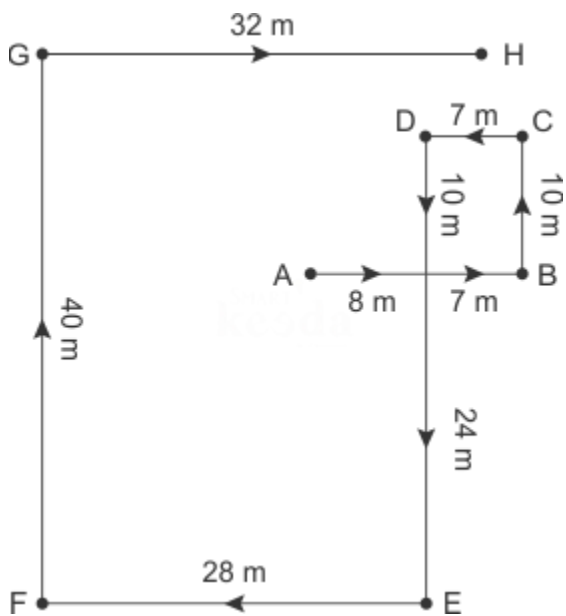| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|
| C | B | A | C | D |

# Common Explanation:

**Reference:**

Sumit started walking in east direction from point A. After walking 15m he reached point B, from there he takes a left turn and walk 10 m to reach point C. From C, he turns left and walk 7 m and reaches point D. Then, he turns left and walks 34 m to reach point E. From point E he turns right and walks 28 m. Now he reached point F and from there he turns right and walks 40 m to reach point G. From point G he turns right and walks 32 m to reach point H.

**Inference:**

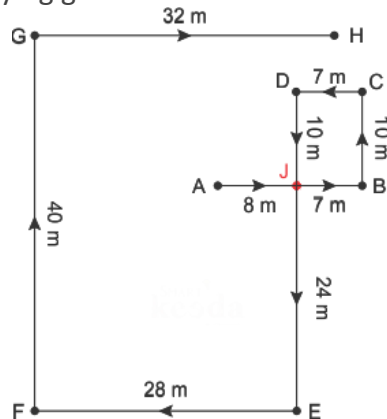Using the above hints the path travelled by Sumit can be marked as:

## ANSWERS :

**1.** From the final solution, we can say that point G is in northwest direction with respect to point A.

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

**2.** From the final solution, and applying given information we have:



Here, only option B is true about J.
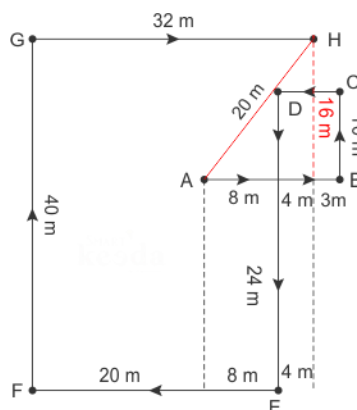Hence, the correct answer is option **B**.

**3.** From the final solution, we can say that the total distance travelled by Sumit in west direction is 35 m.

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

**4.** From the final solution, we can say that point C is in southeast direction with respect to point H.

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

**5.** From the final solution, we have:



Using the Pythagoras theorem, we can say that the shortest distance between points A and H is 20 m.
Hence, the correct answer is option **D**.