

Aptitude Advance

Blood Relations and Directions

Assignment 01

Direction & Relation Practice - 01

1. Reeta drives to North of her place of stay at A and finds after travelling 25 km that she has driven in the wrong direction. She then turns to the right and travels 2 km and then again turns right and drives straight another 25 km. How much distance she has now to cover to go back to the point from where she started?

1. 25 km 2. 2 km 3. 4 km 4. 50 km

2. A taxi driver commenced his journey from a point and drove 10 km towards North and turned to his left and drove another 5 km. After waiting to meet one of his friends, he turned to his right and continued to drive another 10 km. He has covered a distance of 25 km so far but in which direction he now may be?

1. North 2. East 3. West 4. South

3. A tourist drives 10 km towards East and turns to right hand side and takes a drive of another 3 km.

He then drives towards West (turning to his right) another 3 km. He then turns to his left and drives another 2 km. Afterwards, he turns to his right and travels 7 km. How far is he from his starting point and in which direction?

- | | |
|---------------|---------------|
| 1. 10 km East | 2. 9 km North |
| 3. 8 km West | 4. 5 km South |

DIRECTIONS for questions 4 & 5: *If you start running from a point towards north and after covering 4 kms you turn to your left and run 5 km, and then again turn to your left and run 9 km and then turn to left again and run another 6 km and before finishing you take another left turn and run 1 km, then answer these questions.*

4. How many km are you from the place you started (approximately)?

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|---------|---------|---------|---------|
| 1. 1 km | 2. 2 km | 3. 3 km | 4. 4 km |
|---------|---------|---------|---------|

5. In which direction will you be running while finishing?

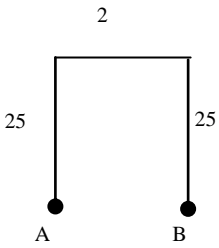
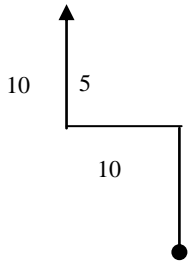
- | | | | |
|---------|---------|----------|----------|
| 1. East | 2. West | 3. North | 4. South |
|---------|---------|----------|----------|

6. Pointing to a photograph, a man said, "I have no brother or sister but that man's father is my father's son." Whose photograph was it?
1. His own 2. His son's
3. His father's 4. His nephew's
7. Anil introduces Rohit as the son of the only brother of his father's wife. How is Rohit related to Anil?
1. Cousin 2. Son 3. Uncle 4. Son-in-law
8. Pointing towards a person in a photograph, Anjali said, "He is the only son of the father of my sister's brother." How is that person related to Anjali?
1. Mother 2. Father
3. Maternal uncle 4. None of these
9. Pointing out to a photograph, a man tells his friend, "She is the daughter of the only son of my father's wife." How is the girl in the photograph related to the man?
1. Daughter 2. Cousin 3. Mother 4. Sister

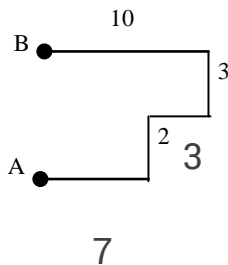
10. X introduces Y saying, "He is the husband of the granddaughter of the father of my father." How is Y related to X?

- | | |
|-------------------|-----------|
| 1. Brother | 2. Son |
| 3. Brother-in-law | 4. Nephew |

Answer key

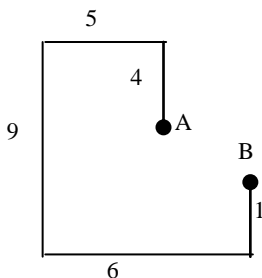
Q. No.	Key	Explanations
1.	2	<p>From the given information we have the following diagram</p>  <p>Hence $AB = 2$</p>
2.	1	<p>From the given information we have the following diagram</p>  <p>He is facing North.</p>

3. 4 From the given information we have the following diagram



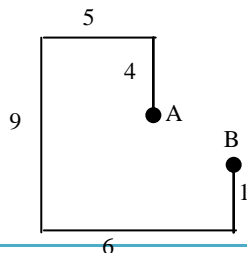
$AB = 3 + 2 = 5$ km & he is facing South.

4. 4 From the given information we have the following diagram



$AB = \sqrt{16+1} = \sqrt{17} = 4$ km (approx.)

5. 3 From the given information we have the following diagram



So he is facing North.

6. 2 Since the narrator has no brother, his father's son is he himself. So, the man who is talking is the father of the man in the photograph or the man in the photograph is his son. Hence, the answer is 2.

7. 1 The relations may be analysed as follows:
Father's wife – Mother; Mother's brother – Uncle; Uncle's son – Cousin. So, Rohit is Anil's cousin. Hence, the answer is 1.

8. 4 The relations may be analysed as follows"
Sister's brother – Brother, Brother's father – Father, Father's son – Brother. So, the person in the photograph is Anjali's brother. Hence, the answer is 4.

9. 1 The relations may be analysed as follows:
Father's wife – Mother; Mother's only son – Himself. So, the girl is man's daughter. Hence, the answer is 1

10. 3 The relations may be analysed as follows:

Father's father – Grandfather;
Grandfather's Granddaughter – Sister;
So, Y is X's brother-in-law. Hence, the answer is 3