

Truth & Lie

Class 2

Q1. There are four persons Kurt, Cobain, Jim and Morrison out of whom two always lie and the other two always speak the truth. Each of the four persons makes a statement which is given below.

Kurt: Cobain lies.

Cobain: Jim lies.

Jim: Kurt speaks the truth.

Morrison: Exactly two out of Kurt, Cobain and Jim lie.

Q. Who can be the liars?

a Kurt and Cobain

b Cobain and Morrison

c Kurt and Jim

d Either (b) or (c)



Q2. Saira, Mumtaz and Zeenat have a ball, a pen and a pencil, and each girl has just one object in hand. Among the following statements, only one is true and the other two are false.

I. Saira has a ball.

II. Mumtaz does not have the ball.

III. Zeenat does not have the pen.

Who has the ball?

1) Saira

2) Mumtaz

3) Zeenat

4) Indeterminate



Q3. Four girls Dolly, Molly, Polly and Kelly appeared for their semester paper on Mass Communication in which two of them failed. When asked as to who passed in the exam, they gave the following replies.

Dolly: I did not fail in the examination

Molly: I passed in the examination and so did Kelly.

Polly: Only one among Dolly and Kelly failed in the examination

Kelly: Only one among Polly and Dolly passed in the examination.

If it is given that exactly three of them were telling the truth, then find the person who was lying.

(A) Dolly (B) Molly (C) Polly (D) Kelly

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Q4. Four beauties — Aishwarya, Sushmita, Lara and Priyanka — went to participate in the 'Miss Andromeda' beauty pageant. Exactly one amongst them was the winner, the 1st runner-up, the 2nd runner-up and the 3rd runner-up. When asked about the results of the beauty contest, each of them gave two replies, one of which was true and the other was false, in any order. The replies were as follows:

Aishwarya : Priyanka is the 2nd runner-up. Sushmita is the 1st runner-up.

Sushmita: Aishwarya is the 2nd runner-up. Priyanka is the 1st runner-up.

Lara: Sushmita is the 1st runner-up. Aishwarya is the 3rd runner-up.

Priyanka: I am the 3rd runner-up. Lara is the 1st runner-up.

Who was the winner?

(1) Aishwarya (2) Sushmita (3) Lara (4) Priyanka

Q5. While Balbir had his back turned, a dog ran into his butcher shop, snatched a piece of meat off the counter and ran out. Balbir was mad when he realised what had happened. He asked three other shopkeepers, who had seen the dog, to describe it. The shopkeepers really did not want to help Balbir. So each of them made a statement which contained one truth and one lie.

- Shopkeeper number 1 said: "The dog had black hair and a long tail."
- Shopkeeper number 2 said: "The dog had a short tail and wore a collar."
- Shopkeeper number 3 said: "The dog had white hair and no collar."

Based on the above statements, which of the following could be a correct description?

- (a) The dog had white hair, short tail and no collar
- (b) The dog had white hair, long tail and a collar
- (c) The dog had black hair, long tail and a collar
- (d) The dog had black hair, long tail and no collar

Q6. Eight Students are seated around circular table facing inwards . four of them are truth-tellers and remaining four are liars . The true & false students are seated alternatively . They record their statements as follows

A- C is sitting two places to my left

B- H is sitting three places to my right .

C- E is sitting two places to my left .

D- F is sitting two places to my left .

E- D is a false person.

F- A is sitting opposite me

G- B is sitting opposite me

H- G is a true person



Q1- Which of the following statements is true?

a) A is sitting opposite B

b) A is sitting opposite E

c) H is to the immediate left of E

d) H is sitting three places to right of A

Q2- Which of the following statement is false ?

a) B is true person

b) G is a false person .

c) D is a true person.

d) H is a false person.

Q3. Which of the following statement is definitely true ?

a) F is sitting to the immediate left or right of A

b) D is sitting to the immediate left or right of A

c) F is not sitting to the immediate left or right of H.

d) D is not sitting to immediate left or right of B.

Q4. Which of the following statements is definitely false ?

a) F is sitting opposite D

b) D is sitting opposite H

c) C is sitting to the immediate left of G

d) E is sitting to immediate left of F

Q7. Mr. Ankit on his way to the temple met four persons - P, Q, R, S - at a crossroad with one street towards each of the four directions East, West, South & North. He wanted to take the most intelligent among them to the temple. He knew each of the four persons make true and false statements alternately in any order. Following are the statements made by them.

P: The school is not towards the south.

Q's first statement is true.

I am the 3rd most intelligent person.

Q: The temple is towards the east.

R's second statement is true.

S is the 2nd most intelligent person.

R: The school is towards the east.

S's third statement is true.

P is the most intelligent person.

S: The church is towards the west.

P's first statement is not true.

R is the least intelligent person.

From the above information, Ankit has traced out the direction towards each of the four places - School, Church, Temple and Mosque - Each of which is towards a different direction, and then he took the most intelligent person with him to the temple.

Q1. Whom did ankit take with him to the temple?

a. P b. Q c. R d. S

Q2. Towards which direction is the temple located?

a. North b. South c. East d. West

Q3. Who is the 2nd most intelligent among the four persons?

a. P b. Q c. R d. S

Q4. Three of the following are alike in a certain way and hence form a group. Find the one that doesn't belong to the group.

a. P & Q b. Q & R c. R & P d. S & Q

Q8. Four friends, A, B, C and D, got the top four ranks in their class in a certain exam. Each of them belongs to one of the categories among truth-tellers, liars and alternators. Truth-tellers are those who always make true statements, liars always make false statements and alternators alternate between making true and making false statements, in any order. At least one among A, B, C and D belongs to each of these categories. The ranks in the exam were awarded in the following manner. The person with the highest marks got the first rank, the person with the second highest marks got the second rank, and so on. The following are the two statements made by each of them about their categories and their ranks in the exam.

A: Exactly two of us are truth-tellers. B got the first rank and C got the third rank.

B: D got the fourth rank. Exactly one of us is an alternator.

C: The difference between B's rank and mine is two. D is not a liar.

D: Exactly one of us is a liar. I am an alternator.

Q1. Who got the first rank?

(1) A (2) B (3) C (4) D

Q2. In total, how many of the given eight statements are true?

(1) 3 (2) 4 (3) 5 (4) 6

Q3. What is the sum of the ranks of A and C?

(1) 3 (2) 4 (3) 5 (4) 6

Q4. Which of the following statements is definitely true?

(1) The total marks scored by A and B is more than that scored by C and D.

(2) The total marks scored by A and B is less than that scored by C and D.

(3) The total marks scored by A and D is less than that scored by B and C.

(4) The total marks scored by B and D is more than that scored by A and C.