

TRUTH & LIE

Class - 1

Q1. You are at an unmarked intersection ... one way is the City of Lies and another way is the City of Truth. Citizens of the City of Lies always lie. Citizens of the City of Truth always tell the truth. A citizen of one of those cities (you don't know which) is at the intersection. What question could you ask to them to find the way to the City of Truth?



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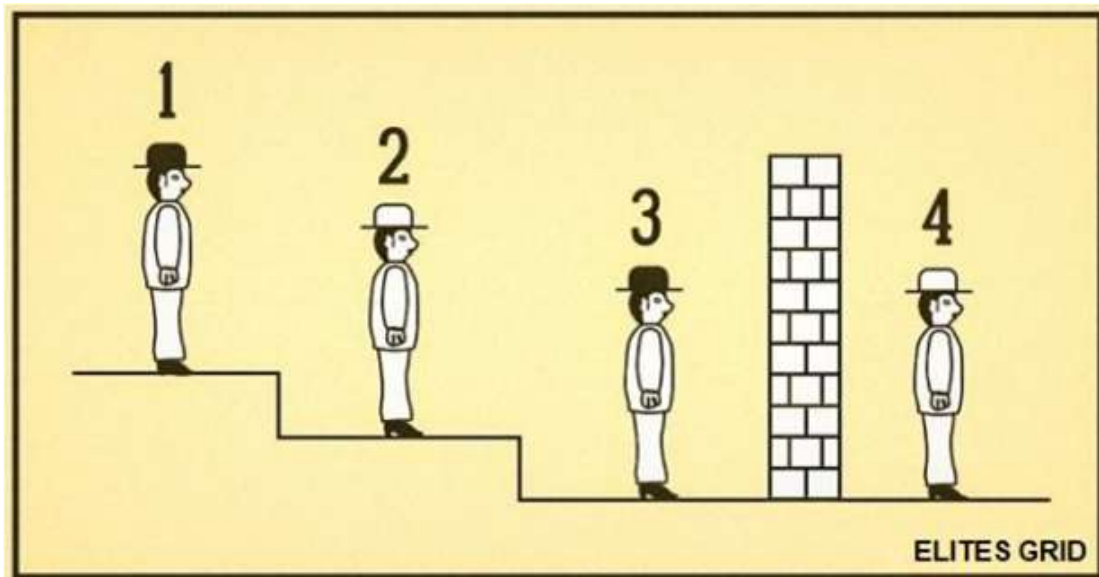
Q2. One of the three boxes contains chocolates. When asked three persons – SHAHRUKH, SALMAN & AMIR gave three statements.

SHAHRUKH – It is in box 1.

SALMAN – It is in box 2.

AMIR – It is neither in box 1 nor in box 3.

Q1. If only 1 among them is truthful, which box contains the chocolates & who is the person who speaks the truth?



Q3. There are 4 hats. 2 out of 4 hats are white and 2 are black. This is known to all the four persons. Now which person will be the first one to speak up about the color of the hat he's wearing and why?

Q4. A truth teller always tells the truth while a liar always lies. An alternator alternates between a truth and a lie in any order. Each of B, C, D represents one of the above mentioned types. The following statements were made by them

B – C is not a liar. D is not the truth teller.

C – D is a liar. B is not the truth teller.

D – I am not a liar. C is the liar.

Q1. Who is the truth teller?

a. B b. C c. D d. Cannot be determined

Q2. Who is the alternator?

a. B b. C c. D d. Cannot be determined

Q5. 3 persons – A, B & C were interrogated about a theft. Among them exactly one is a Truth teller(who always speaks the truth), exactly one is a liar(who always speaks the lies) and the third one is an alternator(who alternates between truth and lie in any order). Their replies were as follows.

A says

Statement 1 – B is a liar.

Statement 2 – C is the thief.

B says

Statement 1 – I am not a liar.

Statement 2 – A is the thief.

C says

Statement 1 – I am not a truth teller.

Statement 2 - A's first statement is false.

Q1. Who is the thief?

- a. A b. B c. C d. Either A or B
e. Cannot be determined

Q2. Who is the liar?

- a. A b. B c. C d. Either B or C
e. Cannot be determined



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Q6. Three pundits - Dwivedi, Trivedi & Chaturvedi - Sat in a row from left to right in some order, consisting of three seats - extreme left, centre and extreme right. Each person gives two replies to any question asked to them, at least one of which is true. There is exactly one person who always speaks the truth. When asked about their respective positions in the row, following were their replies:

Dwivedi :

I sat at the extreme left end.

Trivedi sat at the centre.

Trivedi :

Dwivedi sat between me and Chaturvedi.

I sat at the extreme right end.

Chaturvedi :

I didn't sit at the extreme left end.

Dwivedi did not sit at the extreme right end.

It is also known that a definite arrangement can be obtained by assessing their statements. What is the order in which they sat from extreme left end to extreme right end of the row?

Q7. Last one night, A car ran over a pedestrian in a narrow bystreet and drove away without stopping. A policeman who saw it reported it moving at a very speed. The accident was witnessed by six bystanders. They provide the following conflicting accounts of what had happened:

P1 – It was a blue car; driven by a man.

P2 – The car was moving at a high speed; its headlights were turned off.

P3 – The car did have license plates; it wasn't going very fast.

P4 – It was a Toyota; its headlights were turned off.

P5 – The car didn't have license plates; the driver was a woman.

P6 – It was a grey ford. The headlights were turned on.

From the above six persons exactly 1 statement of all the persons is false.

Can you tell the color of the Car, headlights were on/off, License plates was there or not, brand of the car, driven by man/woman?

Q8. The city crime branch received reports of a burglary, a murder and a dacoity on the night of November 1, between 11 pm and 12 midnight. The Superintendent of Police (SP) swung into action immediately and arrested six suspects - Ranga, Billa, Shamsher, Mallu, Kittu and Danny and interrogated them. The police knew that each crime was committed by exactly two of them. The six suspects provided the following answers:

Ranga: "I was with Shamsher. Danny was with me. I know nothing about the dacoity."

Shamsher: "I was with Danny. Mallu was with me. I know nothing about the burglary."

Mallu: "I was with Ranga. Billa was with me. I know nothing about the dacoity."

Kittu: "I was with Ranga. Mallu was with me. I know nothing about the murder."

Billa: "I was with Kittu. Danny was with me. I know nothing about the burglary."

Danny: "I was with Kittu. Ranga was with me. I know nothing about the murder."

From experience, the SP knows that the first and the second statements that each of the suspects spoke were false, while the third statement of each of the suspects was true.

Q1. Who was Ranga's partner?

- a. Danny b. Billa c. Mallu d. Kittu

Q2. Who were the murderers?

- a. Ranga and Billa b. Shamsher and Kittu
c. Mallu and Danny d. Danny and Shamsher

Q3. Who committed the dacoity?

- a. Shamsher and Kittu b. Danny and Shamsher
c. Ranga and Billa d. Mallu and Danny

Q4. According to the SP, who were involved in the burglary?

- a. Shamsher and Kittu b. Danny and Mallu
c. Ranga and Billa d. Danny and Shamsher

Q9. Six balls, each having a distinct colour are equally distributed among three boys Amar, Billu and Chiklu. The balls are coloured blue, green, yellow, pink, red and black. All the boys make three Statements each. All the Statements are true except Statement 3 made by two of the boys.

Amar	Statement 1 : I don't have the red ball
	Statement 2 : I have the green ball
	Statement 3 : Chiklu does not have the pink ball
Billu	Statement 1 : I don't have the black ball
	Statement 2 : I have the red ball
	Statement 3 : Amar does not have the blue ball
Chiklu	Statement 1 : I don't have the yellow ball
	Statement 2 : I have the black ball
	Statement 3 : Billu does not have the blue ball

Who speaks the truth in all the three statements?

- a Amar
- b Billu
- c Chiklu
- d Cannot be determined