



Date : 9th Jan 2024

Logical Reasoning - Puzzle

English

Directions (1 - 5): Read the given information carefully and answer the following questions.

Eight persons Q, R, S, T, O, J, K, and M, live in an eight-floored building such that the ground floor is numbered as 1 and the top floor is numbered as 8, but not necessarily in the same order. They all like different animals, viz. Horse, Zebra, Hyena, Giraffe, Monkey, Gorilla, Dog, and Rabbit. One person likes only one animal.

T lives on an odd number floor above floor 5 and he likes rabbit. Three persons live between the person who likes Hyena and Rabbit. No one lives below M. Three persons live between M and the one who likes Giraffe. Two persons live between S and K, who live on an odd number floor below T. K doesn't like giraffes. Q likes Horse but he doesn't live on the top floor. Three persons live between the one who likes Horse and Zebra. S doesn't like Zebra. J lives on a floor below O but not on floor 2. M doesn't like dogs and Gorilla.

Q:1 The person who lives just above S likes which animal?

1. Zebra
2. Rabbit
3. Horse
4. Gorilla
5. None of these

Q:2 How many persons live between the one who like Giraffe and R?

1. Three
2. None
3. Two
4. One
5. Four

Q:3 The one who lives on floor number 8 likes which animal?

1. Monkey
2. Giraffee
3. Zebra
4. Hyena
5. None of these

Q:4 Who lives on floor number 4?

1. Q
2. O

3. J
4. R
5. None of these

Q:5 Who likes Gorilla?

1. S
2. R
3. K
4. O
5. Either 1 or 2

Directions (6 - 10): Read the given information carefully and answer the following questions.

Seven friends A, B, C, P, Q, R, and X play seven different sports Cricket, Polo, Chess, Basketball, Baseball, Hockey, and Football and their jerseys are of different colors. A plays Cricket. B in a Yellow jersey plays either Baseball or Polo. The ones in the Green and Pink jerseys play Hockey and Chess respectively. X plays neither Hockey nor Chess. Q wears a Grey jersey. C plays Baseball. The one who plays Football wears either a Green or Grey jersey. R does not wear a Green jersey. The one who plays Basketball wears a Black jersey. C wears either a Black or Red jersey. The one who plays Basketball does not wear a Grey jersey. A wears either a Blue or Red jersey.

Q:6 X plays which sport?

1. Baseball
2. Hockey
3. Basketball
4. Chess
5. Polo

Q:7 Who plays Polo?

1. A
2. C
3. B
4. D
5. E

Q:8 Who plays Chess?

1. R
2. P
3. X
4. Q
5. C



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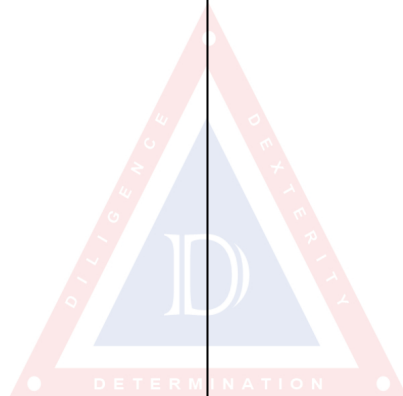
English

Q:9 What is the sport played by P and what is the jersey color of P?

1. Hockey, Green
2. Hockey, Red
3. Hockey, Pink
4. Basketball, Grey
5. Cricket, Green

Q:10 What is the color of R's jersey?

1. Pink
2. Red
3. Black
4. Green
5. Blue





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Answer Key

1. (2)	2. (3)	3. (3)	4. (1)	5. (5)
6. (3)	7. (3)	8. (1)	9. (1)	10. (1)

Answers and Solutions

(Q:1 - Q:5): 1) T lives on an odd number floor above floor 5 and he likes rabbit. (T lives on floor number 7)

2) Three persons live between the person who likes Hyena and Rabbit.

3) No one lives below M.

4) Three persons live between M and the one who likes Giraffe.

5) Two persons live between S and K, who lives in an odd number floor below T.

6) K doesn't like giraffes. (This statement eliminates the possibility of S being on the second floor and K being on the fifth floor and second possibility S being on top floor and K being on fifth floor).

Floors	Persons	Animals
8		
7	T	Rabbit
6	S	
5		Giraffe
4		
3	K	Hyena
2		
1	M	

7) Q likes Horse but he doesn't live on the top floor.

8) Three persons live between the one who likes Horse and Zebra.

9) S doesn't like Zebra. (This statement eliminates the possibility of Q being on the second floor)

10) J lives on a floor below O but not on floor 2. (J lives on floor 5)

11) M doesn't like dogs and Gorilla.

(This means that M likes Monkey and R lives on the second floor)

(Either S or R likes either Gorilla or Dog)

Now we have our final arrangement.

Floors	Persons	Animals
8	O	Zebra
7	T	Rabbit
6	S	Dogs/Gorilla
5	J	Giraffe
4	Q	Horse
3	K	Hyena
2	R	Gorilla/Dogs
1	M	Monkey

Q:1 The correct answer is **Option 2** i.e. **Rabbit**
Clearly, T lives just above S and likes Rabbit.
Hence, the correct answer is **Rabbit**.

Q:2 The correct answer is **Option 3** i.e. **Two**
Clearly, Two persons live between the one who likes giraffe and R
Hence, the correct answer is **Rabbit**.

Q:3 The correct answer is **Option 3** i.e. **Zebra**
Clearly, O lives on floor number 8 and likes Zebra.
Hence, the correct answer is **Zebra**.

Q:4 The correct answer is **Option 1** i.e. **Q**
Clearly, Q lives on floor number 4.
Hence, the correct answer is **Q**.

Q:5 The correct answer is **Option 5** i.e. **Either 1 or 2**
Clearly, Either S or R likes Gorilla.
Hence, the correct answer is **Either 1 or 2**.

Q:6 The correct answer is **Option 3** i.e. **Basketball**
A plays Cricket.
Q wears a Grey jersey.
C plays Baseball.
B in a Yellow jersey plays either Baseball or Polo.

Person	Sports	Jersey
A	Cricket	
B	Polo	Yellow
C	Baseball	
P		
Q		Grey
R		
X		

The ones in the Green and Pink jerseys play Hockey and Chess respectively.

X plays neither Hockey nor Chess.

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The one who plays Basketball does not wear a Grey jersey. (By elimination we can conclude that X plays Basketball.)

R does not wear a Green jersey. (This means that R wears a Pink jersey.)

Person	Sports	Jersey
A	Cricket	
B	Polo	Yellow
C	Baseball	
P	Hockey	Green
Q		Grey
R	Chess	Pink
X	Basketball	

The one who plays Football wears either a Green or Grey jersey.

The one who plays Basketball wears a Black jersey.

C wears either a Black or Red jersey.

A wears either a Blue or Red jersey.

Person	Sports	Jersey
A	Cricket	Blue
B	Polo	Yellow
C	Baseball	Red
P	Hockey	Green
Q	Football	Grey
R	Chess	Pink
X	Basketball	Black

Hence, the correct answer is **Basketball**.

Q:7 The correct answer is **Option 3** i.e. **B**

A plays Cricket.

Q wears a Grey jersey.

C plays Baseball.

B in a Yellow jersey plays either Baseball or Polo.

Person	Sports	Jersey
A	Cricket	
B	Polo	Yellow
C	Baseball	
P		
Q		Grey
R		
X		

The ones in the Green and Pink jerseys play Hockey and Chess respectively.

X plays neither Hockey nor Chess.

The one who plays Basketball does not wear a Grey jersey. (By elimination we can conclude that X plays Basketball.)

R does not wear a Green jersey. (This means that R wears a Pink jersey.)

Person	Sports	Jersey
A	Cricket	
B	Polo	Yellow
C	Baseball	
P	Hockey	Green
Q		Grey
R	Chess	Pink
X	Basketball	

The one who plays Football wears either a Green or Grey jersey.

The one who plays Basketball wears a Black jersey.

C wears either a Black or Red jersey.

A wears either a Blue or Red jersey.

Person	Sports	Jersey
A	Cricket	Blue
B	Polo	Yellow
C	Baseball	Red
P	Hockey	Green
Q	Football	Grey
R	Chess	Pink
X	Basketball	Black

Hence, the correct answer is **B**.

Q:8 The correct answer is **Option 1** i.e. **R**

A plays Cricket.

Q wears a Grey jersey.

C plays Baseball.

B in a Yellow jersey plays either Baseball or Polo.

Person	Sports	Jersey
A	Cricket	
B	Polo	Yellow
C	Baseball	
P		
Q		Grey
R		
X		

The ones in the Green and Pink jerseys play Hockey and Chess respectively.

X plays neither Hockey nor Chess.

The one who plays Basketball does not wear a Grey jersey. (By elimination we can conclude that X plays Basketball.)

R does not wear a Green jersey. (This means that R wears a Pink jersey.)

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Person	Sports	Jersey
A	Cricket	
B	Polo	Yellow
C	Baseball	
P	Hockey	Green
Q		Grey
R	Chess	Pink
X	Basketball	

The one who plays Football wears either a Green or Grey jersey.

The one who plays Basketball wears a Black jersey.

C wears either a Black or Red jersey.

A wears either a Blue or Red jersey.

Person	Sports	Jersey
A	Cricket	Blue
B	Polo	Yellow
C	Baseball	Red
P	Hockey	Green
Q	Football	Grey
R	Chess	Pink
X	Basketball	Black

Hence, the correct answer is **R**.

Q:9 The correct answer is **Option 1** i.e. **Hockey, Green**

A plays Cricket.

Q wears a Grey jersey.

C plays Baseball.

B in a Yellow jersey plays either Baseball or Polo.

Person	Sports	Jersey
A	Cricket	
B	Polo	Yellow
C	Baseball	
P		
Q		Grey
R		
X		

The ones in the Green and Pink jerseys play Hockey and Chess respectively.

X plays neither Hockey nor Chess.

The one who plays Basketball does not wear a Grey jersey. (By elimination we can conclude that X plays Basketball.)

R does not wear a Green jersey. (This means that R wears a Pink jersey.)

Person	Sports	Jersey
A	Cricket	
B	Polo	Yellow
C	Baseball	
P	Hockey	Green
Q		Grey
R	Chess	Pink
X	Basketball	

The one who plays Football wears either a Green or Grey jersey.

The one who plays Basketball wears a Black jersey.

C wears either a Black or Red jersey.

A wears either a Blue or Red jersey.

Person	Sports	Jersey
A	Cricket	Blue
B	Polo	Yellow
C	Baseball	Red
P	Hockey	Green
Q	Football	Grey
R	Chess	Pink
X	Basketball	Black

Hence, the correct answer is **Hockey, Green**.

Q:10 The correct answer is **Option 1** i.e. **Pink**

A plays Cricket.

Q wears a Grey jersey.

C plays Baseball.

B in a Yellow jersey plays either Baseball or Polo.

Person	Sports	Jersey
A	Cricket	
B	Polo	Yellow
C	Baseball	
P		
Q		Grey
R		
X		

The ones in the Green and Pink jerseys play Hockey and Chess respectively.

X plays neither Hockey nor Chess.

The one who plays Basketball does not wear a Grey jersey. (By elimination we can conclude that X plays Basketball.)

R does not wear a Green jersey. (This means that R wears a Pink jersey.)



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Person	Sports	Jersey
A	Cricket	
B	Polo	Yellow
C	Baseball	
P	Hockey	Green
Q		Grey
R	Chess	Pink
X	Basketball	

The one who plays Football wears either a Green or Grey jersey.

The one who plays Basketball wears a Black jersey.

C wears either a Black or Red jersey.

A wears either a Blue or Red jersey.

Person	Sports	Jersey
A	Cricket	Blue
B	Polo	Yellow
C	Baseball	Red
P	Hockey	Green
Q	Football	Grey
R	Chess	Pink
X	Basketball	Black

Hence, the correct answer is **Pink**.

