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Question: 1

When the goalie has been chosen, the Small town Bluebirds hockey team has a starting lineup that is Selected from two groups:

First Group: John, Dexter, Bart, Erwin

Second Group: Leanne, Roger, George, Marlene, Patricia
When deciding on the players in the lineup, the Coach considers the following requirements:

Two players are always chosen from the first group, while three are chosen from the second group. George will only start if Bart also starts. Dexter and Bart will not start together.

If George starts, Marlene won't start.

The 4 fastest players are: John, Bart, George and Patricia

3 of the 4 fastest players will always be chosen.

If George is in the starting lineup, who must also start?

- A. Marlene or John
- B. Dexter or Leanne
- C. Dexter or John
- D. John or Patricia
- E. Marlene or Roger

Answer: D

Question: 2

When the goalie has been chosen, the Smalltown Bluebirds hockey team has a starting lineup that is selected from two groups:

First Group: John, Dexter, Bart, Erwin

Second Group: Leanne, Roger, George, Marlene, Patricia

When deciding on the players in the lineup, the coach considers the following requirements:

Two players are always chosen from the first group, while three are chosen from the second group.

George will only start if Bart also starts. Dexter and Bart will not start together.

If George starts, Marlene won't start.

The 4 fastest players are: John, Bart, George and Patricia

3 of the 4 fastest players will always be chosen.

Which of the following pairs cannot start together?

- A. Erwin and Dexter
- B. George and John
- C. Roger and John
- D. John and Bart
- E. Patricia and Marlene

Answer: A

Question: 3

When the goalie has been chosen, the Smalltown Bluebirds hockey team has a starting lineup that is selected from two groups:

First Group: John, Dexter, Bart, Erwin

Second Group: Leanne, Roger, George, Marlene, Patricia

When deciding on the players in the lineup, the coach considers the following requirements:

Two players are always chosen from the first group, while three are chosen from the second group.

George will only start if Bart also starts. Dexter and Bart will not start together.

If George starts, Marlene won't start.

The 4 fastest players are: John, Bart, George and Patricia

3 of the 4 fastest players will always be chosen.

If Marlene is on the starting lineup, which of the following players will be the first group players who will also be starting?

- A. John
- B. John and Dexter
- C. John and Bart
- D. John, Dexter and Bart
- E. John, Erwin and Bart

Answer: C

Question: 4

When the goalie has been chosen, the Smalltown Bluebirds hockey team has a starting lineup that is selected from two groups:

First Group: John, Dexter, Bart, Erwin

Second Group: Leanne, Roger, George, Marlene, Patricia

When deciding on the players in the lineup, the coach considers the following requirements:

Two players are always chosen from the first group, while three are chosen from the second group.

George will only start if Bart also starts. Dexter and Bart will not start together.

If George starts, Marlene won't start.

The 4 fastest players are: John, Bart, George and Patricia

3 of the 4 fastest players will always be chosen.

Of the following hockey players, who must start?

- A. Patricia
- B. John
- C. George
- D. Marlene
- E. Bart

Answer: E

Question: 5

On the popular children's television show, there are four little animals that make up the "Creature Buddies" are digitally animate. Since that means that they can't make a live stage performance,

while the Creature Buddies are on tour, each is represented by a puppet that is operated by a chief and an assistant puppeteer.

The Creature Buddies are a: Dragon, Gorilla, Kangaroo, and Tiger.

The Creature's Names are: Audrey, Hamish, Melville, Rex

The Chief Puppeteers are: Ben, Jill, Paul and Sue

The Assistant Puppeteers are: Dave, Gale, Pam and Tom

Melville isn't the puppet who is operated by Sue and her assistant Pam.

Hamish's chief puppeteer (who is not Jill) is assisted by Tom.

Ben is in charge of the dragon, but Jill doesn't have anything to do with the kangaroo.

Dave is the assistant puppeteer for the tiger.

Rex, whose chief is Paul, isn't the gorilla (who's name is not Melville).

What is the name of the Dragon?

- A. Audrey
- B. Hamish
- C. Melville
- D. Rex
- E. Dave

Answer: B

Question: 6

On the popular children's television show, there are four little animals that make up the "Creature Buddies" are digitally animate. Since that means that they can't make a live stage performance,

while the Creature Buddies are on tour, each is represented by a puppet that is operated by a chief and an assistant puppeteer.

The Creature Buddies are a: Dragon, Gorilla, Kangaroo, and Tiger.

The Creature's Names are: Audrey, Hamish, Melville, Rex

The Chief Puppeteers are: Ben, Jill, Paul and Sue

The Assistant Puppeteers are: Dave, Gale, Pam and Tom

Melville isn't the puppet who is operated by Sue and her assistant

Pam. Hamish's chief puppeteer (who is not Jill) is assisted by Tom.

Ben is in charge of the dragon, but Jill doesn't have anything to do with the kangaroo.

Dave is the assistant puppeteer for the tiger.

Rex, whose chief is Paul, isn't the gorilla (who's name is not Melville).
Who is the assistant puppeteer for Melville?

- A. Dave
- B. Gale
- C. Pam
- D. Tom
- E. Ben

Answer: A

Question: 7

On the popular children's television show, there are four little animals that make up the "Creature Buddies" are digitally animate. Since that means that they can't make a live stage performance, while the Creature Buddies are on tour, each is represented by a puppet that is operated by a chief and an assistant puppeteer.

The Creature Buddies are a: Dragon, Gorilla, Kangaroo, and Tiger.

The Creature's Names are: Audrey, Hamish, Melville, Rex

The Chief Puppeteers are: Ben, Jill, Paul and Sue

The Assistant Puppeteers are: Dave, Gale, Pam and Tom

Melville isn't the puppet who is operated by Sue and her assistant Pam.

Hamish's chief puppeteer (who is not Jill) is assisted by Tom.

Ben is in charge of the dragon, but Jill doesn't have anything to do with the kangaroo.

Dave is the assistant puppeteer for the tiger.

Rex, whose chief is Paul, isn't the gorilla (who's name is not Melville).

Which chief puppeteer works with Tom?

- A. Ben
- B. Jill
- C. Paul
- D. Sue
- E. Rex

Answer: A

Question: 8

On the popular children's television show, there are four little animals that make up the "Creature Buddies" are digitally animate. Since that means that they can't make a live stage performance, while the Creature Buddies are on tour, each is represented by a puppet that is operated by a chief and an assistant puppeteer.

The Creature Buddies are a: Dragon, Gorilla, Kangaroo, and Tiger.
The Creature's Names are: Audrey, Hamish, Melville, Rex
The Chief Puppeteers are: Ben, Jill, Paul and Sue
The Assistant Puppeteers are: Dave, Gale, Pam and Tom
Melville isn't the puppet who is operated by Sue and her assistant Pam. Hamish's chief puppeteer (who is not Jill) is assisted by Tom.
Ben is in charge of the dragon, but Jill doesn't have anything to do with the kangaroo.
Dave is the assistant puppeteer for the tiger.
Rex, whose chief is Paul, isn't the gorilla (who's name is not Melville).
With what kind of animal does Gale work?

- A. Dragon
- B. Gorilla
- C. Kangaroo
- D. Tiger
- E. Lemur

Answer: C

Question: 9

A chess tournament is occurring in the local community school, and the players at all four of the tables are engaged in their fourth game against their prospective opponents.
The players with white pieces are: David, Gerry, Lenny and Terry
The players with black pieces are: Don, Mike, Richie and Stephen
The scores are 3:0, 2.5:0.5, 2:1, 1.5:1.5 [note: tied games result in a score of 0.5 points for each player]
Lenny is playing at the table to the right of Stephen, who has lost all of his games until now.
Gerry is playing against Mike.
At least one game at table 1 has resulted in a tie.
Richie, who is not in the lead over his opponent, has not been in a tied game.
The player who is using the white pieces at table 4 is Terry, however, the current score at table 4 is not 2:1.
Don is leading his match after his last three games.
What table is Stephen playing at, and what is the score at that table?

- A. Table 1, 2.5:1.5
- B. Table 1, 3:0
- C. Table 2, 3:0
- D. Table 2, 2.5:1.5
- E. Table 3, 2:1

Answer: C

Question: 10

A chess tournament is occurring in the local community school, and the players at all four of the tables are engaged in their fourth game against their prospective opponents.

The players with white pieces are: David, Gerry, Lenny and Terry

The players with black pieces are: Don, Mike, Richie and Stephen

The scores are 3:0, 2.5:0.5, 2:1, 1.5:1.5 [note: tied games result in a score of 0.5 points for each player]

Lenny is playing at the table to the right of Stephen, who has lost all of his games until now.

Gerry is playing against Mike.

At least one game at table 1 has resulted in a tie.

Richie, who is not in the lead over his opponent, has not been in a tied game.

The player who is using the white pieces at table 4 is Terry, however, the current score at table 4 is not 2:1.

Don is leading his match after his last three games.

Whose score is highest?

- A. Mike
- B. Stephen
- C. Richie
- D. David
- E. Lenny

Answer: D

Question: 11

A chess tournament is occurring in the local community school, and the players at all four of the tables are engaged in their fourth game against their prospective opponents.

The players with white pieces are: David, Gerry, Lenny and Terry

The players with black pieces are: Don, Mike, Richie and Stephen

The scores are 3:0, 2.5:0.5, 2:1, 1.5:1.5 [note: tied games result in a score of 0.5 points for each player]

Lenny is playing at the table to the right of Stephen, who has lost all of his games until now.

Gerry is playing against Mike.

At least one game at table 1 has resulted in a tie.

Richie, who is not in the lead over his opponent, has not been in a tied game.

The player who is using the white pieces at table 4 is Terry, however, the current score at table 4 is not 2:1.

Don is leading his match after his last three games.

Which player has black pieces and is tied?

- A. Mike
- B. David
- C. Richie
- D. Don
- E. Terry

Answer: A

Question: 12

A chess tournament is occurring in the local community school, and the players at all four of the tables are engaged in their fourth game against their prospective opponents.

The players with white pieces are: David, Gerry, Lenny and Terry

The players with black pieces are: Don, Mike, Richie and Stephen

The scores are 3:0, 2.5:0.5, 2:1, 1.5:1.5

[note: tied games result in a score of 0.5 points for each player]

Lenny is playing at the table to the right of Stephen, who has lost all of his games until now.

Gerry is playing against Mike.

At least one game at table 1 has resulted in a tie.

Richie, who is not in the lead over his opponent, has not been in a tied game.

The player who is using the white pieces at table 4 is Terry, however, the current score at table 4 is not 2:1.

Don is leading his match after his last three games.

Who is the winning player at table 4?

- A. Don
- B. Terry
- C. David
- D. Gerry
- E. Richie

Answer: A

Question: 13

Larry has purchased a device that the manufacturer claims will reduce the fuel consumption in his car.

After a month has passed, Larry determines that his mileage currently rests at 17 miles per gallon. Larry's best friend, Steve, owns the exact same make and model car, and has calculated his mileage at 23 miles per gallon. Steve's car does not have the device that Larry purchased one month ago. Larry then makes the conclusion that the manufacturer of the device's claim is not true. Which of the following statements would cause Larry's conclusion to be the weakest?

- A. Though Larry has the same make and model of car as Steve, Larry's car is 15 years older.
- B. Larry was driving in the city, whereas Steve drives the highway
- C. Larry purchases a lower grade of gasoline than Steve
- D. Steve lied, he actually only gets 15 miles per gallon
- E. Before buying the device, Larry had never before calculated the mileage of his car.

Answer: E

Question: 14

If a petrochemical plant manufactures a range of hazardous chemical products and must therefore follow

strict guidelines concerning each of the chemicals may interact with one another on a daily basis. The plant processes five different chemicals every week. Three of these chemicals can be processed on any given day. Xenon may be processed any day except for every other Monday and every other Thursday. Oxygen, however, can be processed only on Tuesdays and Wednesdays. Liquid Hydrogen may be processed on Mondays, Wednesdays and Fridays. Sulfur Dioxide can't be processed on Fridays. Methane can't be processed on Wednesday. What are the three chemicals that can be processed on any given Monday?

- A. Liquid Hydrogen, Xenon, and Oxygen
- B. Methane, Oxygen, and Sulfur Dioxide
- C. Methane, Xenon, and Oxygen
- D. Sulfur Dioxide, Methane, and Liquid Hydrogen
- E. Xenon, Oxygen, and Sulfur Dioxide

Answer: D

Question: 15

If a petrochemical plant manufactures a range of hazardous chemical products and must therefore follow

strict guidelines concerning each of the chemicals may interact with one another on a daily basis. The plant processes five different chemicals every week. Three of these chemicals can be processed on any given day. Xenon may be processed any day except for every other Monday and every other Thursday. Oxygen, however, can be processed only on Tuesdays and Wednesdays. Liquid Hydrogen may be processed on Mondays, Wednesdays and Fridays. Sulfur Dioxide can't be processed on Fridays. Methane can't be processed on Wednesday. Which weekday is most likely to be impossible for 3 chemicals to be processed in one day?

- A. Monday
- B. Tuesday
- C. Wednesday
- D. Thursday
- E. Friday

Answer: D