NO.	QUESTION
1	Tracy wants to paint portraits. To paint portraits, one needs complete art materials and constant painting practice. To get constant painting practice, one must hire a good painting mentor. Good painting mentors can only be found by people who know their contact information and have the free time to call them.
	Tony: "If Tracy knows the contact information of a good painting mentor and has the free time to give them a call, then she can paint portraits."
	Tammy: "If Tracy can paint portraits, she must have hired a good painting mentor."
	If the information in the box is true, whose reasoning is correct?
	A. Tony only
	B. Tammy only
	C. Both Tony and Tammy
	D. Neither Tony nor Tammy
2	Brett and Eddy are both musicians. All musicians are talented individuals. Most musicians are good at identifying pitch. Brett and Eddy both play in orchestra concerts.
	Ben: "If a person is talented, then they must be a musician."
	Ellen: "If a person is good at identifying pitch, then they must be a musician."
	If the information in the box is true, whose reasoning is correct?
	A. Ben only
	B. Ellen only
	C. Both Ben and Ellen
	D. Neither Ben nor Ellen
3	Statement 1: All hardbound books at the store have customised spines.
	Statement 2: No customised spine is coloured black.
	Statement 3: None of the hardbound books at the store has a black customised spine.
	If the first two statements are true, the third statement is
	A. certainly true
	B. certainly false
	C. possibly true
	D. impossible to determine

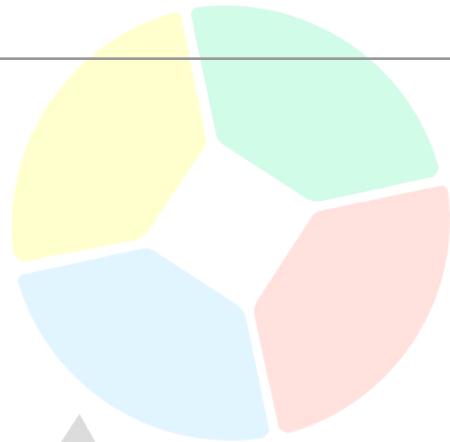| 4	If Josh shops at the farmers' market, he will buy a dozen apples.
	If the above statement is true, which of the following statements must also be true?
	A. If Josh did not buy a dozen apples, he must not have shopped at the farmers' market.
	B. If Josh bought a dozen apples, it means he shopped at the farmers' market.
	C. If Josh does not shop at the farmers' market, he may buy a dozen apples.
	D. If Josh does not buy a dozen apples, he must go to the farmers' market the next day.
5	Trixie, Ken, and Matt were all born in the same year. Trixie was born sixty days before Ken. Ken was born in September, while Matt's birthday is in December.
	Lisa: "Matt is older than Trixie by three months." **Jen**: "Trixie is the eldest of the three."
	If the information in the box is true, whose reasoning is correct?
	A. Lisa only
	B. Jen only
	C. Both Lisa and Jen
	D. Neither Lisa nor Jen
6	Fact 1: All doctors are quick thinkers. Fact 2: Some doctors work in emergency rooms. Fact 3: Some doctors are qualified to perform surgery.
	If the three statements are true, which of the following statements must also be true?
	I. All quick-thinking doctors work in emergency rooms.
	II. The doctors qualified to perform surgery are also quick thinkers.
	III. Doctors who are quick thinkers are not qualified to perform surgery.
	A. I only
	B. II only
	C. II and III only
	D. None of the statements is a known fact

7	
	All TV show hosts are charismatic individuals. Some TV show hosts are also journalists. Charismatic individuals are well-liked.

Alex: "Some journalists are charismatic individuals."
Ariel: "There are TV show hosts who are not journalists."

If the information in the box is true, whose reasoning is correct?

    A.   Alex only
    B.   Ariel only
    C.   Both Alex and Ariel
    D.   Neither Alex nor Ariel

---

8   Statement: The weather station has warned residents of a destructive storm rapidly approaching the area.

Courses of Action:

    I.   Residents should prepare emergency kits, stay updated for announcements, and get ready to evacuate if needed.
    II.   The government should immediately host a party to distract the residents from the sadness bad weather brings.

Assuming the statement is true and on the basis of the given information, which of the suggested courses of action logically follow(s)?

    A.   Only I follows
    B.   Only II follows
    C.   Both I and II follow
    D.   Neither I nor II follows

9

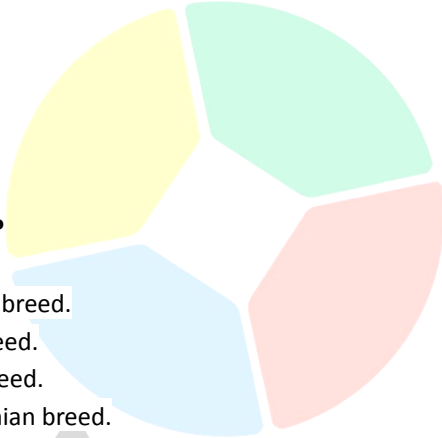| |
|---|
| Fact 1: The dance troupe is composed of ten performers.
Fact 2: Half of the performers have black hair.
Fact 3: Five of the performers can do cartwheels
Fact 4: Five of the performers can do splits. |

If the four statements are facts, which of the following statements must also be a fact?

    I.   At least one of the performers with red hair can do cartwheels.
    II.   Five of the performers do not have black hair.
    III.   The performers who have black hair cannot do splits.

    A.   I only
    B.   II only
    C.   III only
    D.   None of the statements is a known fact

10	All Reds are Blues. No Blues are Yellows. Some Greens are Yellows.

Conclusions:

    I.   Some Reds are Yellows
    II.   Some Greens are Blues
    III.   Some Greens are Reds
    IV.   No Yellows are Reds

Which of the following logically follows?

    A.   Only I follows
    B.   Only II and IV follows
    C.   Only III follows
    D.   Only IV follows

11

All water is divine. All temples are divine.

Conclusions:

    I.   All water is a temple.
    II.   All temples are water.

Which of the following conclusions follow/s?

    A.   Conclusion I only
    B.   Conclusion II only
    C.   Both conclusions I and II
    D.   Neither conclusion I nor II

12

Three siblings - Don, Lance, and Tammy were suspected of stealing money from their mother's purse. Their father knows that 1 of them is guilty. When faced with the punishment of being grounded for a week, they made the following statements:

Don: "I am not guilty."
Lance: "Don is not guilty."
Tammy: "Don is guilty."

However, only 2 of them are telling the truth. 1 person is guilty and lying.

Which of the following statements must be true?

    A.   Don is lying.
    B.   Lance is telling the truth.
    C.   Tammy is guilty but not lying.
    D.   Tammy is not guilty and not lying.

13	Beverly owns a pet shop. Inside her shop are four different dog breeds for sale: bulldog, poodle, pomeranian, and dalmatian.

It was found that:

- No customer who likes bulldogs likes Pomeranians.
- Everyone who likes Dalmatians only likes 1 dog breed.
- All customers who like poodles also like 1 other dog breed.

Luis likes the pomeranian breed. Which of the following must be true?

A. If Luis likes another dog breed, then it would be the dalmatian breed.
B. If Luis likes another dog breed, then it would be the poodle breed.
C. If Luis likes another dog breed, then it would be the bulldog breed.
D. Luis does not like any other dog breed aside from the pomeranian breed.

14

> Only children who are over 5 years of age will be allowed to enrol for first grade.

If the information in the box is true, which of the following must also be true?

A. If Samantha would not be allowed to enrol for first grade, then she is not over 5 years of age.
B. Kiara is turning 5 on the day of the enrolment, so she is allowed to enrol for first grade.
C. Brian is 5 years old, so he can definitely enrol for first grade.
D. Since Mark is still 4 years old, he can enrol for first grade.

15

> All men are dogs. All dogs are cats. All cats are dinosaurs.

Conclusions:

I. All men are cats.
II. All cats are men.
III. All men are dinosaurs.

Which of the following conclusions follow/s?

A. I only
B. I and II only
C. I and III only
D. II and III only

16	
	To become a great chef, one must have outstanding cooking skills and a great set of kitchenware. To obtain outstanding cooking skills, one must enrol in a cooking school and have plenty of practice at home or at work.

Hyacinth: "I can still use my mom's old kitchenware even if they're already rusty as long as I have outstanding cooking skills."
Lalaine: "All I have to do to become a great chef is to buy a great set of kitchenware."

If the information in the box is true, whose reasoning is correct?

- A. Hyacinth only
- B. Lalaine only
- C. Both Hyacinth and Lalaine
- D. Neither Hyacinth nor Lalaine

17

Only a few pastries are toffees. All toffees are chocolates.

Conclusions:

- I. Some chocolates are toffees.
- II. Most pastries are not toffees.
- III. Some pastries being chocolates is a possibility.

Which of the following conclusions follow/s?

- A. I only
- B. I and II only
- C. II and III only
- D. All conclusions follow

18

"To be always informed, I listen to the radio news at 9:00 PM", a candidate informs the interview committee.

Conclusions:

- I. The candidate does not read newspapers.
- II. Recent news is broadcast only on the radio.

Which of the following conclusions follow/s?

- A. Conclusion I only
- B. Conclusion II only
- C. Both conclusions I and II
- D. Neither conclusion I nor II

19	In each of the following questions, two statements numbered I and II are given. There may be a cause-and-effect relationship between the two statements. These two statements may be the effect of the same cause or independent causes. These statements may be independent causes without having any relationship.
	Statements:
	I. A significant spike in the cost of purchasing vegetables has been felt during the summer. II. This summer has seen a significant rise in temperature, which has had a significant negative impact on agricultural supply.
	Read both the statements in each question and mark your answer as A, B, C, or D.
	A. Statement I is the cause and statement II is its effect. B. Statement II is the cause and statement I is its effect. C. Both statements I and II are independent causes. D. Both statements I and II are effects of independent causes.
20	
	The Korean government has recently promoted a number of concessions and provided international tourists with appealing vacation packages.
	Conclusions:
	I. More international tourists will visit the nation. II. The Korean government appears committed to encouraging tourists.
	Which of the following conclusions follow/s?
	A. I only B. II only C. Both I and II D. Neither I nor II
21	A cat, mouse, dog, bird, frog, and hamster were arranged according to the following order:
	The frog is not beside the bird. The bird is somewhere to the left of the mouse. The dog is not directly next to the hamster, mouse, bird, or frog. The cat is somewhere to the right of the mouse. Only the mouse is in between the hamster and the bird.
	Reversing the sequence, **which animal is on the third spot starting from the right?**
	A. Cat B. Frog C. Hamster D. Mouse

22	Mom said that whoever did not keep his or her room and hallway clean, regardless of any reason, is subject to consequences, which can either be a deduction of their school allowance or being grounded for a week.
	If the above statement is true, which of the following statements must also be true?
	A. Regardless of whether the reason is valid or not, the consequences of a dirty room and hallway still remain.
	B. If someone did not clean his hallway, he can only be deducted from his allowance, whereas if it was his room, the person automatically gets grounded.
	C. If someone has a valid reason as to why he was not able to clean his or her room, the consequences are null and void.
	D. If a person did not have an allowance deduction or was not grounded, then he can keep his room and hallway dirty.
23	Being an heir to the Ayala Land Properties is limited to those who are part of the Ayala family.
	If the above statement is true, which of the following statements must also be true?
	A. Only those individuals who are part of the Ayala family can be an heir to the Ayala Land Properties.
	B. Krister is a friend of Mr. Ayala, therefore, he can be an heir to the Ayala Land Properties.
	C. Only people who are heirs to the Ayala Land Properties can be a part of the Ayala family.
	D. Even if Carlo is not a part of the Ayala family, he can still be an heir to the Ayala Land Properties.
24	Some statements are given in the question below, followed by some conclusions. You must accept the given statements as true, even if they appear to contradict commonly known facts. Read all of the conclusions and then decide which one logically follows from the given statements.
	Statements:
	All berries have seeds.
	Berries are not fruits.
	Some fruits do not have seeds.
	Conclusions:
	1.) If it has seeds, it might be a fruit.
	2.) If it has seeds, it is either a berry or a fruit.
	Which of the following logically follows?
	A. Only Conclusion 1 follows
	B. Only Conclusion 2 follows
	C. Both conclusions follow.
	D. Neither follows.

25	
	Harry wants to perform magic tricks. In order for him to do magic tricks, he needs to watch videos of different magic tricks. To acquire these videos, he must contact expert magicians who took videos of themselves performing these tricks. These expert magicians can be contacted by referring to the magician directory.

If the information in the box is true, whose reasoning is correct?

Ron: "If Harry can access the magician directory, he can perform a magic trick."
Snape: "If a magic trick is achieved by Harry, he must have contacted an expert magician."

    A.   Ron Only
    B.   Snape only
    C.   Both Ron and Snape
    D.   Neither Ron nor Snape

26

Whoever wants to be excellent in Mathematics should be good in analysing. But one does not become good at analysing unless the person grasps the entire concept of the lessons. Grasping the entire concept of the lessons is acquired only when the person has completely mastered the basic operations.

If all of the above statements are true, which of the following must also be true?

    A.   If a person does not grasp the entire concept of the lessons, he cannot be able to master the basic operations.
    B.   Anyone who has completely mastered the basic operations is good at analysing.
    C.   If a person has grasped the entire concept of the lessons, then the person has analytical skills unless the person does not want to become good in Mathematics.
    D.   If a person does not completely master the basic operations, then he cannot be good at Mathematics.

27

	Night furies are the fastest dragons. Some night furries are coloured white. Some night furries are active during the day. Night furies are gentle and playful dragons.

If the information in the box is true, whose reasoning is correct?

Luke: "Some Night furries are active during the day, but all Night furies are playful and gentle animals."
Ariel: "If an animal is coloured white, it must be a night furry."

    A.   Ariel only
    B.   Luke only
    C.   Both Luke and Ariel
    D.   Neither Luke nor Ariel

28	Statements:
	I. Every zoo is a safari.
	II. A few restaurants are safaris.
	III. Some restaurants are caves.
	Conclusions:
	I. All zoos can be restaurants.
	II. All caves can be safaris.
	Which among the options below follows?
	A. Only conclusion I follows.
	B. Only conclusion II follows.
	C. Both the conclusions follow.
	D. None of the conclusions follows.
29	Statements:
	I. All Robins are dolls.
	II. No doll is a Superman.
	III. Every Superman has a cape.
	Conclusions:
	I. All Robins having capes is not a possibility.
	II. No doll has a cape.
	Which among the options below follows?
	A. Only conclusion I follows.
	B. Only conclusion II follows.
	C. Both the conclusions follow.
	D. None of the conclusions follows.
30	Statements:
	I. Portions of hats are shoes.
	II. Each headphone is plastic.
	III. Some hats are headphones.
	Conclusions:
	I. Every hat can be plastic.
	II. All shoes cannot be plastics.
	Which among the options below follows?
	A. Only conclusion I follows.
	B. Only conclusion II follows.
	C. Both the conclusions follow.
	D. None of the conclusions follows.