

NO.	QUESTION
1	<p>Three students, Slater, Honey, and Edward, were thought to have eaten junk food on the Princeton University campus during Nutrition Month. The officer at the school knows that two of them are guilty. When they were told they would be punished, they said the following:</p> <p><b>Edward:</b> I am guilty. <b>Slater:</b> Edward is not guilty. <b>Honey:</b> I am not guilty.</p> <p>However, only 1 of the three is telling the truth; the other 2 are lying.</p> <p><b>Which of the following statements must be true?</b></p> <ul style="list-style-type: none"><li>A. Edward is lying</li><li>B. Honey is guilty and lying</li><li>C. Slater is telling the truth</li><li>D. Honey is not guilty and not lying</li></ul>
2	<p>Jimmy enjoys eating nuts as a snack, but he has an allergy to certain types of nuts, which can make him break out in rashes. Rashes will appear on his body if he consumes peanuts.</p> <p><b>If the above statement is true, which of the following statements must also be true?</b></p> <p><b>Cherry:</b> "If Jimmy is not feeling sick, he definitely did not eat peanuts." <b>Mina:</b> "If Jimmy has rashes, it's only because he ate peanuts."</p> <ul style="list-style-type: none"><li>A. Cherry only</li><li>B. Mina only</li><li>C. Cherry and Mina</li><li>D. Both of them are wrong.</li></ul>
3	<p>When Badayos, an aspiring lawyer, was studying for the bar exams, his law professor told him: "If you</p>

want to have a chance of passing the examinations, you must allocate at least 60 hours of studying.”

**If Badayos’ professor is correct, which one of these statements must be true?**

- A. All aspiring lawyers who study hard will pass their test.
- B. None of the aspiring lawyers who have had less than 60 hours of study will pass their test.
- C. Some of the aspiring lawyers who have had less than 60 hours of study will pass their test.
- D. Only those who have had less than 60 hours of study will pass their test.

4

Paul runs quicker than Henry.  
Paul is outrun by Rian when running.  
Rian is outpaced by Henry's speed.

**If the first two statements are true, the third statement should be:**

- A. True
- B. False
- C. There is not enough information

5

During her graduation celebration party, Sammy wants to give her fellow classmates 5 cupcakes each. The total number of students in her classroom was 47, and each box of cupcakes has 10 cupcakes.

**How many boxes of cupcakes does Sammy need to buy to give five cupcakes to each of her classmates?**

- A. 24
- B. 12
- C. 27
- D. 23

6

Louie wants to be awarded a scholarship by the Bose Foundation. To be one of their scholars, one must perform well on tests, assignments, and other tasks. Students can only perform well if they finish their tasks on time and study their notes frequently.

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

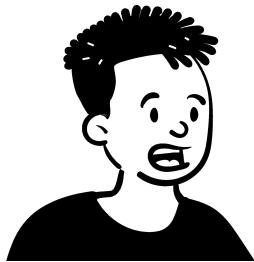
**Ashley:** "In order to earn a Bose Scholarship, I need to complete all of the required assignments before or on the deadlines and review all of my lessons every day."

**John:** "If I do my best in all activities and homework, I will be a Bose scholar."

- A. Ashley only
- B. John only
- C. Both Ashley and John
- D. Neither John nor John

7

While dining at a fast food restaurant, Peter witnessed a Filipino family scolding their youngest child for disliking the food they ordered for him.

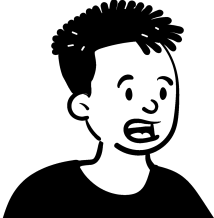


**Peter:** "What I saw in the scene with a Filipino family showed how heartless Filipinos are. Anyone coming from their nationality must have the same behaviour."

**Which one of the following best expresses the flaw in the statement?**

- A. Peter's conclusion isn't reliable because he came to it during a fit of anger towards the situation.
- B. Peter immediately hated all Filipinos because of their manners.
- C. Peter made a broad statement about a whole group of people based on one person who did not represent the whole group.
- D. Peter's conclusion didn't take into account why the family was scolding the child in the first place.

8	<p>The Antetokounmpo triplets were born.</p> <p>Giannis weighs more than Kostas. Kostas weighs less than Thanasis. Among the three of them, Thanasis is the heaviest.</p> <p><b>If the first two statements are true, the third statement should be:</b></p> <p>A. True B. False C. There is not enough information</p>
9	<p>Kyrie wants to learn how to play the drums. In order to do just that, he has to study enough to learn the basic drum patterns. In order to get to know these drum patterns, he must join an online drumming course to learn from professional drummers. One of the programs that teach these fundamentals is Metallica Music Club.</p> <p><b>If the information in the box is true, whose reasoning is correct?</b></p> <p><b>Paul:</b> "If Kyrie can now play the drums, he must have joined the Metallica Music Club." <b>Ben:</b> "If Kyrie has joined the Metallica Music Club, he will be able to play the drums."</p> <p>A. Paul only B. Ben only C. Both Paul and Ben D. Neither Paul nor Ben</p>
10	<p>In basketball, each player has a specific position to play. Players can be good for only one specific position, two positions, or none at all.</p> <p>LaVine and DeRozan are not good centres. Westbrook is neither a good centre nor a good guard. LeBron and Embid are good centres.</p>

	<p>Both LeBron and LaVine are good guards.</p> <p><b>Which of the following is true?</b></p> <ul style="list-style-type: none"><li>A. DeRozan cannot be a good guard</li><li>B. Westbrook is a good guard</li><li>C. Embid must be a good guard</li><li>D. LaVine is only a good guard</li></ul>
11	<p>The annual Bruno Mars invitational dance-off competition held in London is limited to skilled dancers. No one without a flexible body is a skilled dancer.</p> <p>Conclusions:</p> <ul style="list-style-type: none"><li>I. All dancers who were asked to be in the competition have flexible bodies.</li><li>II. Dancers without flexible bodies are not permitted to compete.</li></ul> <p><b>Which among the options below follows?</b></p> <ul style="list-style-type: none"><li>A. Only conclusion I follows</li><li>B. Only conclusion II follows</li><li>C. Both the conclusions follow</li><li>D. None of the conclusions follows</li></ul>
12	<div style="border: 1px solid black; padding: 10px;"><p>Writing in a journal every morning is a routine that most people do in order to relieve stress and reduce anxiety. This allows them to put into a piece of paper all their thoughts and feelings that could have disturbed their inner peace.</p></div> 

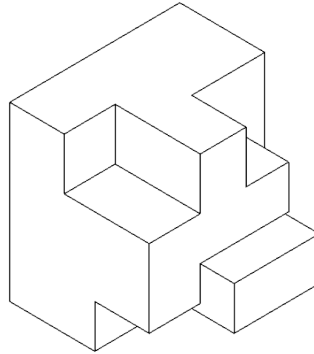
	<p><b>Vincent:</b> "I'll occasionally keep a journal and write in it frequently. It must be the best method for me to relieve tension as many individuals use it as a way to maintain inner peace."</p> <p><b>Which one of the following best expresses the flaw in the statement?</b></p> <ul style="list-style-type: none"><li>A. Vincent's assertion was solely supported by the viewpoint of a person he looks up to the most.</li><li>B. Vincent thought that the actions of many were the best indicators of what was best for him.</li><li>C. Vincent's judgement was based on an emotional outburst from his own situation.</li><li>D. Vincent believed that his inner peace is the only important thing for him.</li></ul>
13	<p>An aerogenerator can turn the wind, an endless source of energy, into electricity. Despite the fact that little research has been done on wind energy, a survey reveals that this source of energy has enormous potential.</p> <p><b>If the information above is true, which among the options below follows?</b></p> <ul style="list-style-type: none"><li>I. Wind energy is a relatively new field.</li><li>II. Studying and investigating wind energy deeper can possibly help solve the energy dilemma worldwide.</li></ul> <ul style="list-style-type: none"><li>A. Only conclusion I follow</li><li>B. Only conclusion II follows</li><li>C. Both the conclusions follow</li><li>D. None of the conclusions follow</li></ul>
14	<p>A team of Stanford Medicine researchers went from collecting a blood sample to diagnosing an illness in under 7 hours and 18 minutes. Some rare genetic diseases have a rapid and debilitating onset. This new speed record in DNA sequencing could help families find answers to challenging and life-altering issues more swiftly in the future.</p> <p><b>Which of the following best expresses the main conclusion of the argument?</b></p> <ul style="list-style-type: none"><li>A. It may take a while for diagnosis with this new method and may be time-consuming.</li><li>B. The new DNA sequencing has become financially helpful for patients and their families.</li><li>C. DNA sequencing's new speed could assist families in getting speedy and accurate diagnoses.</li></ul>

	<p>D. New DNA technologies have resulted in an unprecedented turnaround over the years.</p>
15	<p>A lot of parents are bringing their children with them to farmlands. They immerse them into the wide greenfields. Doing so would enable children to interact with animals, learn how to plant crops, have a view of the beautiful sceneries, and so much more. This is how children could best learn how to appreciate, acknowledge, and even protect nature as they grow up.</p> <p><b>Which of the following statements, if true, best strengthens the argument?</b></p> <p>A. Farmland immersion allows for environmental awareness amongst children B. Bringing children to farms helps them learn more about planting and crop preservation. C. It is best for children to experience mother nature through farms. D. Children become knowledgeable of the different types of animals when brought to a farm.</p>
16	<p>Social media has become a platform for fashion trends to flourish. Most people follow influencers who show off aesthetic clothing. It gives people an idea on what kind of clothing they would want to wear for themselves. These trends have set standards in the fashion world and have empowered many people to feel good about themselves when they follow the clothing choices of influencers.</p> <p><b>Which of the following statements, if true, best weakens the argument?</b></p> <p>A. Fashion is only accessible to wealthy people, making empowerment only exclusive to them. B. Fashion trends often breed insecurities when people compare their fashion styles with others. C. Fashion has become too complex and complicated for most people to even follow. D. Fashion designers are manipulating people into thinking that their products are good-looking.</p>
17	<p>Designers and graphic artists are now slowly jumping on the trend of minimalist designs where they only use minimal colours and shapes. This trend is now heavily used in social media advertisements and web designs. It is believed that this art style best helps audiences to easily understand the messaging that is intended by the art.</p> <p><b>Which of the following statements, if true, best strengthens the argument?</b></p> <p>A. Minimalist designs make the messaging of art more impactful with few elements. B. Minimalist designs are more aesthetic and beautiful in the eyes of the audience.</p>

- C. Minimalist designs create an illusion that their messages are good even if they may not be.
- D. Minimalist designs provide less distracting elements for viewers to easily digest the art.

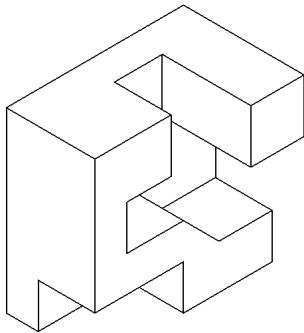
18

A piece of the puzzle is shown below:

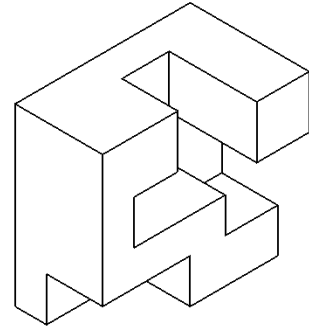


Which one of the following pieces will fit the piece above to make a complete cube?

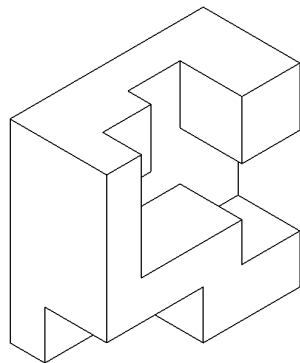
A.



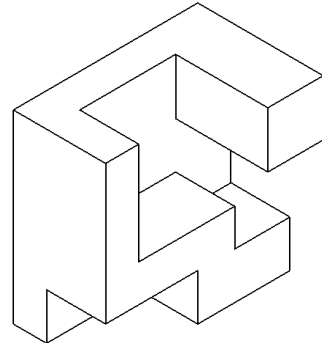
B.



C.



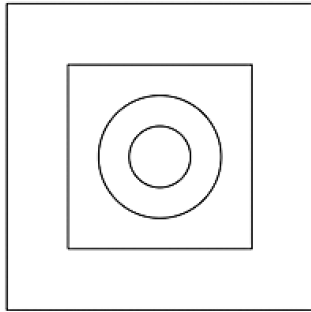
D.



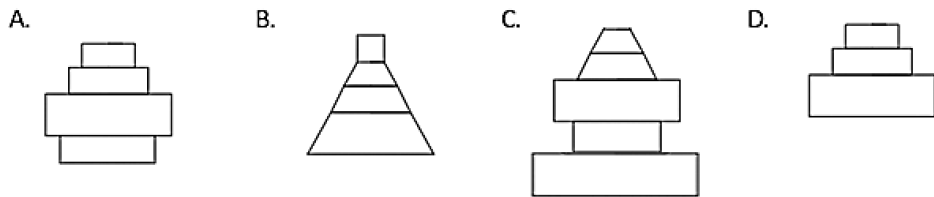


19

When viewed from above, an object looks like the picture shown below.

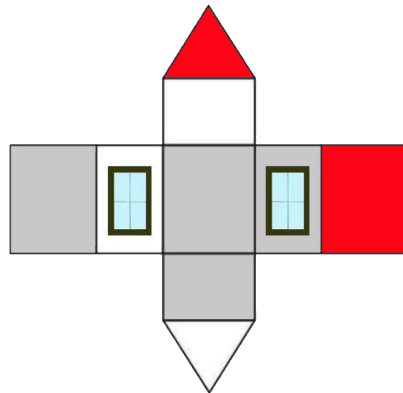


Which one of the following is a possible view from the side?

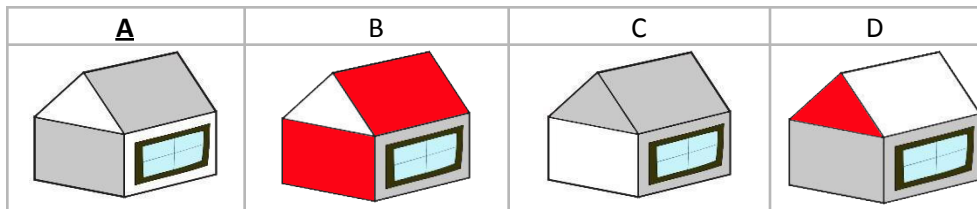


20

The piece of cardboard shown below folds to form a house for use with a model railway. The other side of the cardboard is black, which forms the inside of the house.



Which of the illustrations below correctly shows the assembled house?



21

Jake and Adams, two doctors in the making, are about to start their senior year in college. The institution recommends its students to buy books on human anatomy. Some students are unable to buy these books for their studies due to their high cost.



**Jake:** “We can't afford to buy the anatomy books in the university's library.”

**Adams:** “Either we buy them, or we will unquestionably fail college.”

**Which among the options best describes the flaw in Adam's statement?**

- A. Adams overlooked the fact that buying books isn't the only option available.
- B. Adams relied on the guidance from his professor on having to buy every textbook.
- C. Adams thought that having books would guarantee his success in school.
- D. Adams drew a conclusion that failure is the only outcome conceivable from his feelings.

22

One morning, Jadys saw that her handmade aircraft model was broken in their backyard. She then looked around the entire house and found Jason, which led her to come to a conclusion.



**Jadys:** “Jason, I know you broke my model aircraft because nobody in this household has shown me any evidence to the contrary.”

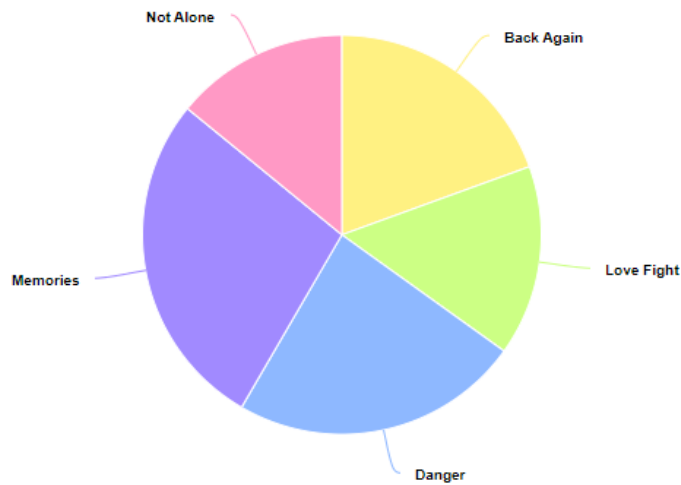
**Which among the options best describes the flaw in Jadys' statement?**

- A. Jady's didn't look around the house carefully to see if anyone else might be at fault.
- B. Jady's accusation was based on an unfair bias she had against Jason.
- C. Jady's had no idea that the aircraft model may have been broken by a gust of wind.
- D. Jady's figured she was right because there was no evidence to refute her assertion.

23

Andre is a singer-songwriter who wanted to compare the interactions and ratings of each of his songs. He gathered the data and organised it using the table below. He then transferred the data to a pie chart

Variable	Back Again	Love Fight	Danger	Memories	Not Alone
Value	2900	3500	2300	4100	2100



When Andre made the pie chart, he got some of the numbers from one song mixed up with the numbers from another song.

**The lines between which variables must be incorrect?**

- A. Danger and Memories
- B. Memories and Not Alone
- C. Back Again and Love Fight
- D. Love Fight and Danger

24

Hayward plans to build a mini house for his pet dog. He created a blueprint for the exterior and figured that he needed 15 pieces of plywood. He needs to buy them at the lowest price at one store. Below are the available stores for Hayward to choose from:

	Price per Plywood	Discount/Special Offer
Shop 1	\$8	30% off total price
Shop 2	\$10	10% off total price
Shop 3	\$15	No discount
Shop 4	\$9	20% off total price

**What is the difference between the most expensive and cheapest store?**

- A. \$117
- B. \$141
- C. \$90
- D. \$51

25 Shekinah wants to rent an apartment for the year. She wishes to be in that apartment for the months of January, February, March, and May. The prices for the apartments she wishes to live in are shown in the table below.

Monthly	4 Months (consecutive)	7 Months (consecutive)
\$ 1,000	\$3,500	\$6,000

**How much is the cheapest valid combination Shekinah could use?**

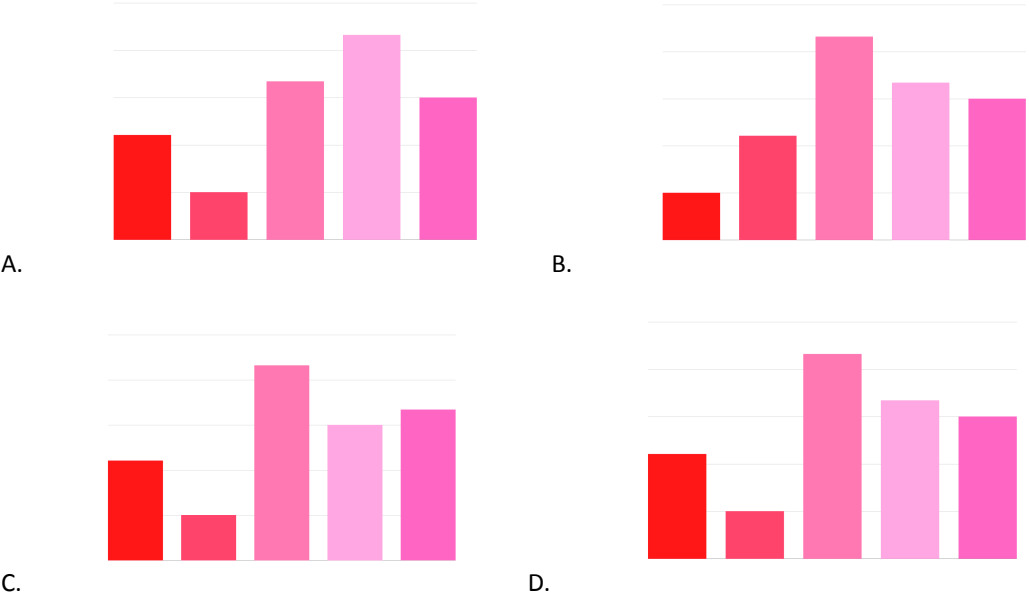
- A. \$3,000
- B. \$4,000
- C. \$3,500
- D. \$6,000

26 Danice surveyed people from all over Sydney with regards to their favourite fast food stores. He then recorded the responses in the table below:

McDonald's	KFC	Wendy's	Burger King	Subway
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221	100	432	334	300
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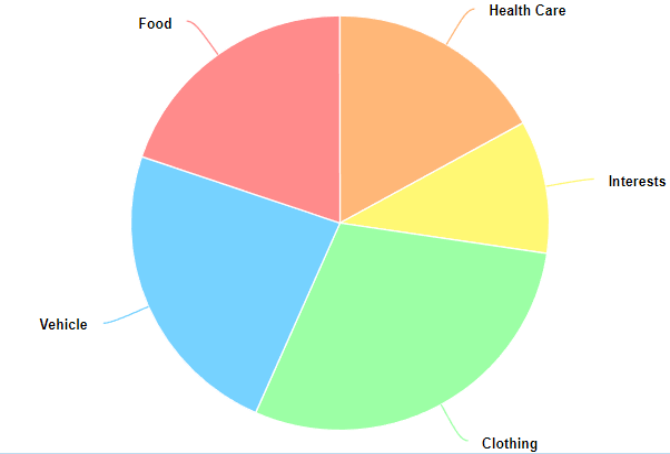
Which of the following bar charts best represents the data in the table?



27

Kian, a YouTube fashion vlogger, conducted a poll to determine what products women typically spend their money on. The results are shown in the table and then he proceeded to present the data into a pie chart.

Variable	Health Care	Interests	Clothing	Vehicle	Food
Value	1800	1100	2500	3100	2100



Unfortunately, Kian put one of the lines of the pie chart in the wrong place.

**The lines between which variables must be incorrect?**

- A. Food and Health Care
- B. Health Care and Interests
- C. Interests and Clothing
- D. Clothing and Vehicle

28

Gordon Ramsay was holding a culinary masterclass. He was planning to teach students how to bake an apple pie. With that, he needed 22 pieces of fresh apples. He wants to buy these apples at the most expensive price at one store. Below are the available stores for Gordon to choose from:

	Price per Apple	Discount/Special Offer
Shop 1	\$2	15% off on total price
Shop 2	\$4	Buy one get one
Shop 3	\$3	30% off on total price
Shop 4	\$5	40% off on total price

**Where should Gordon purchase his apples?**

- A. Shop 1
- B. Shop 2
- C. Shop 3
- D. Shop 4

29

Jonathan is fond of playing video games at a nearby computer shop. He wants to play straight hours from 9:30 AM to 14:30 PM. The hourly rates and promos for the computer shop are shown in the table below.

Hourly	5 Hours	7 Hours
\$18	\$80	\$100

How much is the cheapest valid combination Jonathan could use?

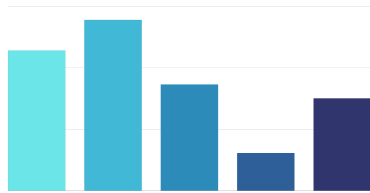
- A. \$75
- B. \$80
- C. \$100
- D. \$108

30

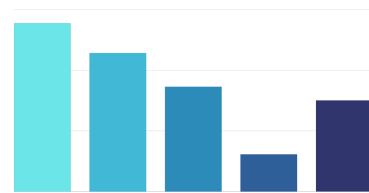
Latrell has a small stall that sells cold drinks. He recorded the number of orders he had over the past week. The results are shown in the table below:

Orange	Lemon	Mango	Apple	Blueberry
456	555	345	122	300

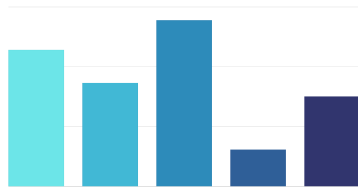
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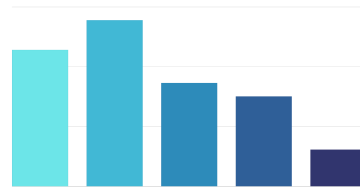
A.



B.



C.



D.