

NO.	QUESTION
1	<p>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.</p> <p>Statements:</p> <p>I. The price of gasoline increased by 10% this year.</p> <p>II. The number of people using public transportation has increased by 20% this year.</p> <p><b>Which of the following must be true?</b></p> <p>A. Statement I is the cause and statement II is its effect.</p> <p>B. Statement II is the cause and statement I is its effect.</p> <p>C. Statements I and II are either independent causes or independent effects.</p> <p>D. Both statements I and II are effects of some common cause.</p>
2	<p>Research has shown that parental involvement in a child's education is a key factor in their academic success. Children whose parents are actively engaged in their education tend to have better grades, test scores, and graduation rates. Parental involvement can take many forms, including volunteering at the child's school, attending parent-teacher conferences, and helping with homework.</p> <p><b>Which among the statements, if true, best strengthens the passage?</b></p> <p>A. Children who have involved parents tend to have better social skills</p> <p>B. Parental involvement in education is not limited to low-income families</p> <p>C. Children perform better academically when their parents are involved in their education</p> <p>D. Parental involvement is only effective when it is done in specific ways, such as volunteering at school or attending parent-teacher conferences</p>

3 Sarah is looking to hire a new marketing manager to oversee the team of marketing specialists and ensure that all campaigns are executed successfully. She is looking for someone with a master's degree in marketing, at least 3 years of marketing experience, excellent written and verbal communication skills, and a proven track record of successful marketing campaigns. The four candidates are:

Ryan - A marketing graduate with a master's degree, has 3 years of marketing experience, excellent written and verbal communication skills, and a proven track record of successful marketing campaigns.

Katie - A marketing graduate with a master's degree who has 2 years of marketing experience, excellent written and verbal communication skills, and a proven track record of successful marketing campaigns.

Lena - A marketing graduate with a master's degree, has 3 years of marketing experience, excellent written and verbal communication skills, and a proven track record of successful marketing campaigns.

Jane - A marketing graduate with a master's degree, has 2 years of marketing experience, excellent written and verbal communication skills, and a proven track record of successful marketing campaigns.

**Who among the candidates should Sarah consider?**

- A. Either Ryan or Katie
- B. Ryan
- C. Either Ryan or Lena
- D. Either Katie or Lena

4 The career opportunities in the art industry have expanded significantly in recent years. The rise of digital technology has created new avenues for artists to showcase and sell their work, and the growing demand for unique and creative content has led to an increase in job openings in fields such as graphic design, animation, and game design. However, it's still a highly competitive field, which requires aspiring artists to have well-constructed and commendable portfolios to penetrate and make a living in the industry.

**Which of the following best expresses the main conclusion of the argument?**

- A. The art industry is a highly competitive field that is difficult to break into.
- B. The art industry has a limited number of job opportunities.
- C. The art industry has been greatly impacted by the rise of digital technology.
- D. The art industry is a stable field with a lot of job opportunities.

5

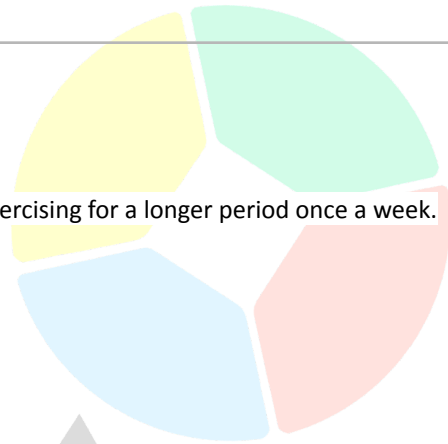
Statement: Exercise is important for maintaining good health.

**Assumptions:**

- I. Exercise should be performed every day.
- II. Exercising for a short time every day is more effective than exercising for a longer period once a week.

**Which of the following assumptions aligns with the statement?**

- A. Assumption I only
- B. Assumption II only
- C. Both assumptions I and II
- D. Neither assumption I nor II



6

Jordan wants to buy 7 pieces of Funko pops. There are four shops that sell the products he wants. The shops, the prices, and special offers are shown in the table below.

Shop	Standard price	Special offer
Cyberzone	\$12	20% off the final price
ANB	\$13	Buy one, Get one at 75% off
BPD	\$14	Half off the first three boxes
LBP	\$10	Buy 2 get 1 free

Jordan wants to buy all his Funko pops from the same shop and to spend as little as possible.

**Which shop should Jordan buy all his Funko pops from?**

- A. Cyberzone
- B. ANB
- C. BPD
- D. LBP

7

The use of renewable energy sources has been promoted as a way to reduce our dependence on fossil fuels and mitigate the impacts of climate change. However, some critics argue that renewable energy sources are too expensive and unreliable to be a viable alternative to fossil fuels. They claim that fossil fuels are more cost-effective and provide a steadier source of energy. While it is true that renewable energy technologies have traditionally been more expensive to install and maintain than fossil fuels, recent advances in renewable energy technologies have significantly reduced the cost of renewable energy. In addition, the cost of fossil fuels is highly variable and can fluctuate significantly, whereas the cost of renewable energy sources is more stable and predictable. Furthermore, the economic benefits of renewable energy should be considered when evaluating the costs of different energy sources. Renewable energy projects often create jobs and stimulate economic development, particularly in rural areas. Overall, it is important to carefully consider the long-term economic costs and benefits of renewable energy sources in order to make informed decisions about our energy use.

**Which among the statements, if true, best strengthens the passage?**

- A. By highlighting the role of renewable energy in reducing greenhouse gas emissions and mitigating climate change.
- B. By presenting data that shows the levelized cost of electricity (LCOE) for renewable energy sources, such as wind or solar, is now lower than the LCOE for fossil fuel sources like coal and natural gas.
- C. By discussing the potential economic benefits of renewable energy, such as job creation and increased economic development in rural areas.
- D. By discussing the social and cultural significance of renewable energy, such as its potential to empower communities and promote energy independence.

8

Tim and Sarah are classmates who are arguing about the best way to save the environment. Tim believes that reducing the use of plastic is the most important thing, while Sarah thinks that reducing carbon emissions is more important.

Tim: "Sarah, you only think that reducing carbon emissions is the most important thing because you drive a gas-guzzling SUV. You're not a real environmentalist."

Which of the following sentences shows the mistake Tim has made in the argument?

- A. Tim is not considering the other ways that Sarah might be contributing to the environment, such as recycling or using energy-efficient appliances.
- B. Tim is not presenting any evidence or logical arguments to support his position.
- C. Tim is attacking Sarah's character rather than addressing the issue at hand.
- D. Tim is not taking into account the fact that Sarah may have other reasons for driving a gas-guzzling SUV, such as a lack of access to alternative transportation.

9

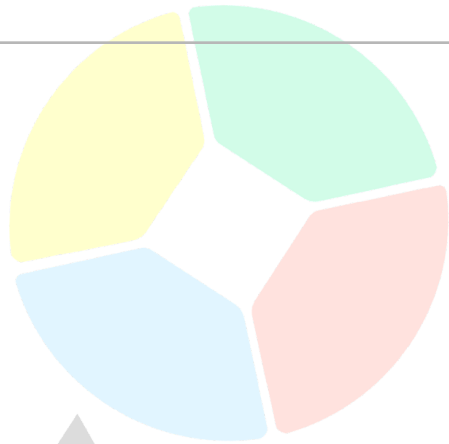
No horse is not a cow. All cows are dogs.

**Conclusions:**

- I. No horse is not a dog.
- II. No dog is a horse.
- III. Some dogs are not horses.

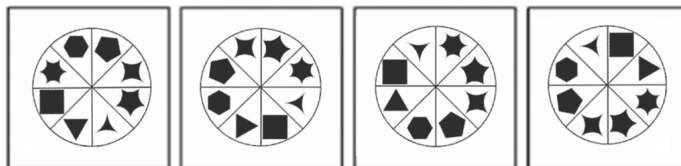
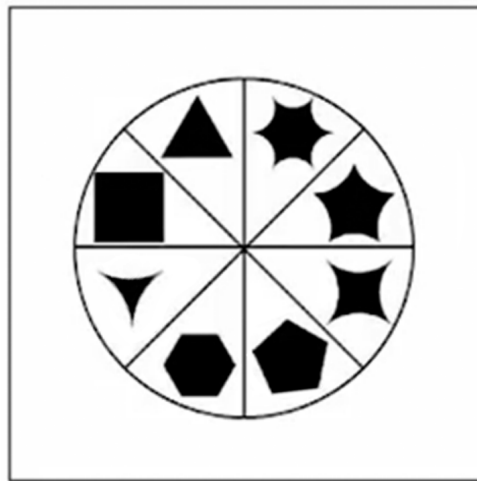
**Which of the following conclusions follow?**

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



10

**Which figure is a rotation of the given object?**



A

B

C

D

11

Joe is trying to decide which smartphone to buy. He asks his friends and coworkers for their opinions, and they all recommend the same brand.

Joe: "Everyone I know says the iPhone is the best, so I'm going to get it too."

Which of the following sentences shows the mistake Joe made in his decision-making?

- A. Joe is basing his decision on the opinions of his friends and coworkers, who may not be experts in the field of smartphones.
- B. Joe is not considering the other options available on the market and is therefore not making an informed decision.
- C. Joe is not taking into account his own personal preferences and needs when choosing a smartphone.
- D. Joe is not considering the cost of the smartphone and whether it is within his budget.

12

Each city in Croatia sets its own tax rate which applies to the whole of a person's yearly income. Below is a table showing the tax information of 5 different residents in 4 cities.

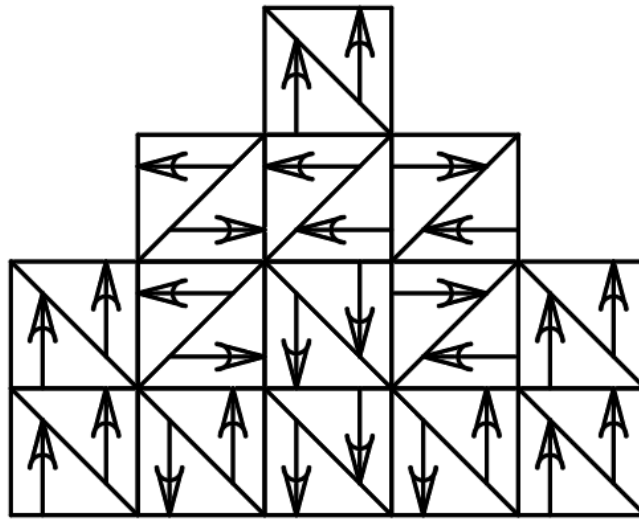
Resident	City	Yearly income	Tax rate
Chowder	Cordova	\$40 000	5%
Angel	Cebu	\$30 000	10%
Darlene	Bohol	\$10 000	20%
Mikoy	Negros	\$20 000	25%
Gordon	Ormoc	\$16 000	15%

Who pays the same amount of taxes in a year as Chowder?

- A. Gordon
- B. Mikoy
- C. Angel
- D. Darlene

13

How many unique square tiles are required to create the pattern below? (Tiles can be rotated)



- A. 2
- B. 3
- C. 4
- D. 5

14

The table below shows the points gathered by players during the recent World Cup. They have three more matches where they hope to earn more points.

Player	Home Region	Current Points
Silva	Spain	16
Modric	Croatia	17
Mbappe	France	12
Neymar	Brazil	15
Ronaldo	Portugal	11
Messi	Argentina	16

The following tables show the results of the last 3 games.

Week 13

0	Argentina	vs.	Portugal	1
2	Brazil	vs.	Spain	1
1	Croatia	vs.	France	2

Week 14

2	Argentina	vs.	France	1
1	Brazil	vs.	Portugal	2
1	Croatia	vs.	Spain	0

Week 15

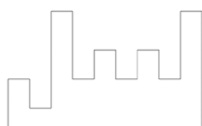
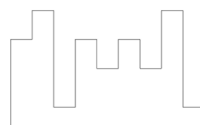
0	Brazil	vs.	France	2
2	Croatia	vs.	Portugal	1
1	Argentina	vs.	Spain	2



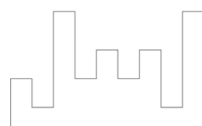
Assuming the players mentioned were the only players that scored for their team, which of the following players scored the least?

- A. Ronaldo
- B. Messi
- C. Mbappe
- D. Neymar

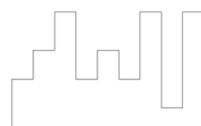
15 Which among the answer options fills in the gaps of the given shape to form a rectangle?



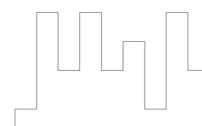
A



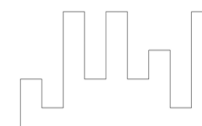
B



C



D



E



16

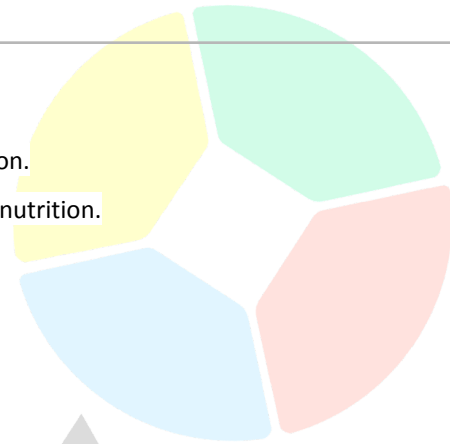
Statement: Good nutrition is necessary for a healthy lifestyle.

**Assumptions:**

- I. Eating a balanced diet is the only way to achieve good nutrition.
- II. Supplementing with vitamins and minerals can help improve nutrition.

**Which of the following assumptions aligns with the statement?**

- A. Assumption I only
- B. Assumption II only
- C. Both assumptions I and II
- D. Neither assumption I nor II



17

Rachel and Max are siblings who are trying to decide what to do on a rainy day. Rachel wants to watch movies, while Max wants to play board games.

Rachel: "We can either watch movies or play board games, but we can't do both. So it's either one or the other."

**Which of the following sentences shows the mistake Rachel has made in her argument?**

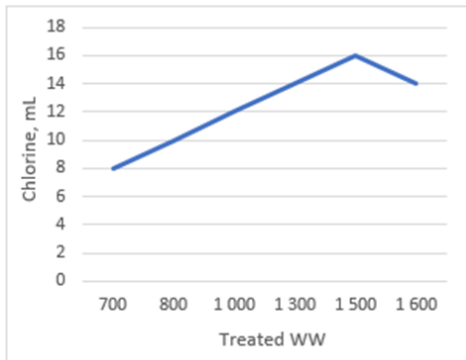
- A. Rachel is presenting a false dilemma, as there are more than two options available to them.
- B. Rachel is not taking into account the preferences of other family members who may want to do something different.
- C. Rachel is not considering the fact that they could do other activities besides watching movies or playing board games.
- D. Rachel is not considering the fact that they could take turns doing different activities.

18

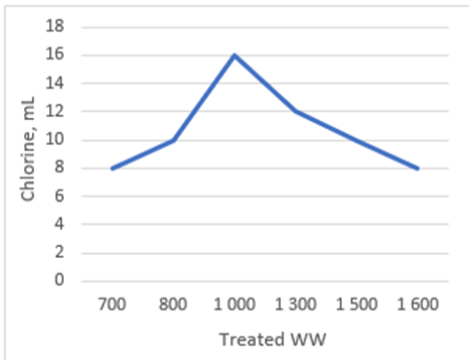
The table below shows the average amount of chlorine (in mL) used to treat wastewater (WW), and the amount of WW treated (in litres).

Month	April	May	June	July	August	September
Chlorine (mL)	700	800	1 000	1300	1 500	1 600
Treated WW (L)	8	10	16	14	10	8

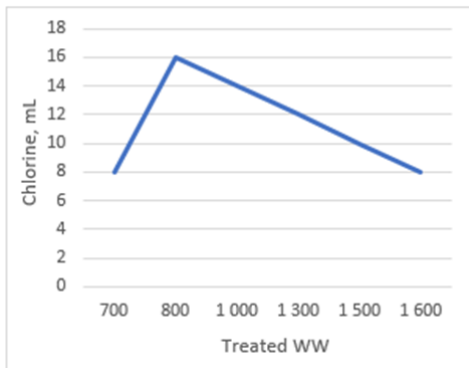
Which of the following graphs can best illustrate the relationship between the amount of chlorine used and the amount of treated WW?



A.



B.



C.



D.

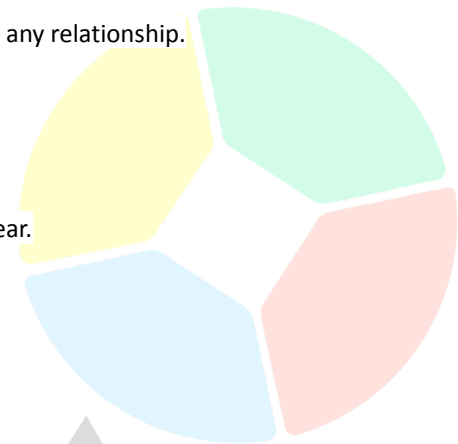


19

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 new shopping mall was built in the downtown area.
- II. The number of tourists visiting the city has increased by 30% this year.



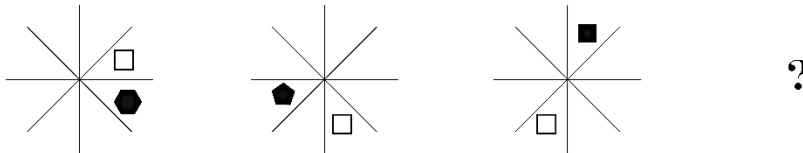
Which of the following must be true?

- 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. Statements I and II are either independent causes or independent effects.
- D. Both statements I and II are effects of some common cause.

20

**What comes next?**

Problem4



**A**

**B**

**C**

**D**

**E**

21

Dandy buys different chocolates at the candy corner. The prices are shown in the table below.

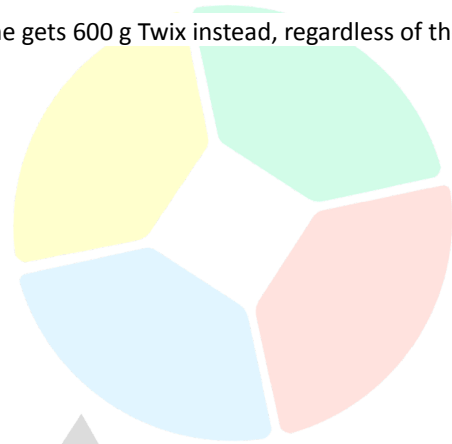
Chocolates	300 g	500 g	600 g
Milky way	\$12	\$16	\$20
Cadbury	\$10	\$16	\$22
Hershey's	\$14	\$20	\$24
Mars	\$6	\$10	\$16
Twix	\$20	\$26	\$30

He gets 300 g of Cadbury on Tuesdays and only gets 600g of Mars on Wednesdays and Thursdays. Dandy always buys 500 g Milky way on Mondays and Fridays. But, when Dandy aces an exam, he gets 600 g Twix instead, regardless of the day of the week.

Last week, Dandy aces his exams on Monday and Thursday.

**How much did Dandy spend on chocolates last week?**

- A. \$102
- B. \$88
- C. \$104
- D. \$82



22 Alice and Bob are travelling to a nearby town. They both leave at the same time, but Alice travels by car at a speed of 40 km/h, while Bob travels by bike at 20 km/h.

**If both travelled for 45 minutes, how far are they from each other?**

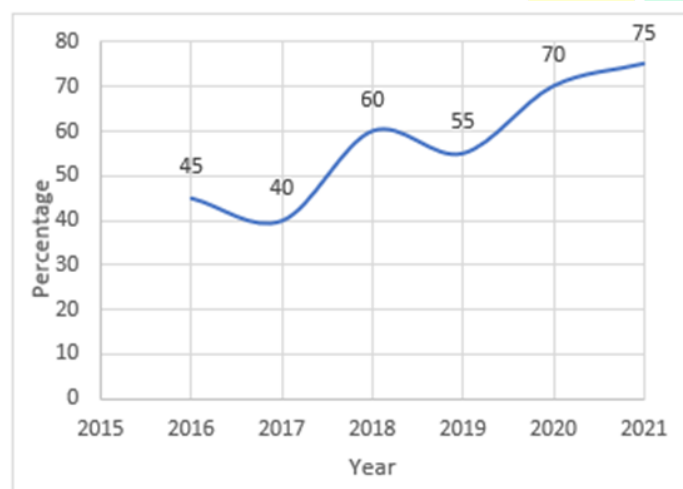
- A. 15 km
- B. 20 km
- C. 25 km
- D. 30 km

23 According to the World Health Organization (WHO), getting at least 150 minutes of moderate-intensity exercise per week can significantly reduce the risk of chronic diseases such as heart disease and diabetes. The organisation recommends that adults aim for at least 30 minutes of moderate-intensity exercise per day, five days per week. This means that adults should be engaging in activities such as brisk walking, cycling, or dancing that raise their heart rate and make them breathe harder. The WHO emphasises the importance of regular physical activity in maintaining good health and preventing chronic diseases, which are the leading causes of death and disability worldwide.

**Which among the statements, if true, best strengthens the passage?**

- A. Many people who exercise regularly report feeling happier and having more energy.
- B. Exercise has been shown to have a positive effect on mental health and can help reduce stress and anxiety.
- C. The WHO has a reputation for making reliable recommendations about health and wellness.
- D. Multiple large-scale studies have consistently found that people who engage in regular physical activity have a lower risk of chronic diseases and a longer lifespan.

24 Kathrine regularly uploads selfies on the internet. She keeps track of the number of reactions her selfies get and the heart reactions they get. The chart below shows the percentage of heart reactions received out of the total number of reactions each year from 2016 until 2021.



If there were 28 875 heart reactions in 2019, what is the total number of reactions Kathrine's selfies received in 2019?

- A. 1 588 125 reactions
- B. 52 500 reactions
- C. 15 881 reactions
- D. 525 reactions

25 In the number pattern, 0, 3, 8, 15, 24, ..., What is the 12th term of the sequence?

- A. 99
- B. 123
- C. 136
- D. 143

26 PSG Inc. rewards the employees of their regional branches with different bonuses based on their total annual sales. The chart below shows the criteria for each bonus.

Bonus	Annual Sales
\$150 000	\$2 700 000 or more
\$90 000	\$2 400 000 - \$2 699 999
\$75 000	\$2 250 000- \$2 399 999

The chart below shows the monthly sales of four PSG Inc. branches from the past year.

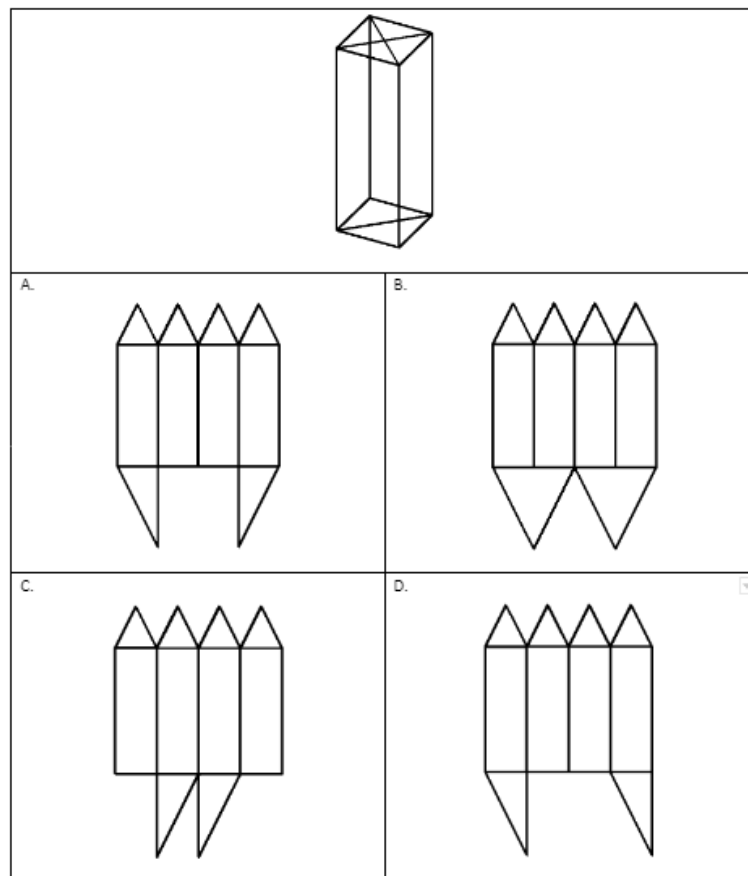
	Monthly sales in thousands (in dollars)											
	J	F	M	A	M	J	J	A	S	O	N	D
IJ	102	162	165	150	201	264	240	273	285	228	219	201
KL	171	192	144	165	267	249	186	183	177	210	195	171
MN	255	246	198	192	234	246	264	222	183	240	22	228
OP	195	201	255	216	192	150	156	120	153	150	162	150

Which branch is eligible to receive the ninety-thousand dollar bonus?

- A. IJ
- B. KL
- C. MN
- D. OP

27

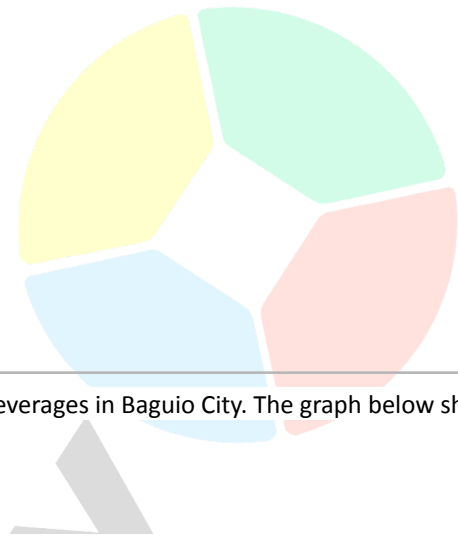
Which among the answer options, when folded, forms the given image?



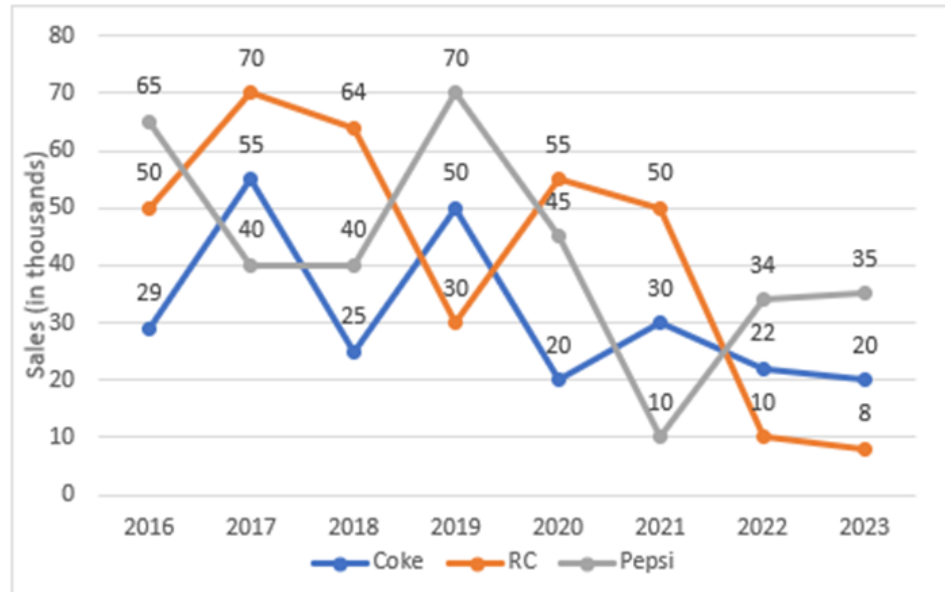
28 In a marathon run, each runner was given a number. There are 6 friends who participated in the marathon. Their numbers are the following: 3, 12, 27, 48, 75, and X. They noticed that their numbers follow a logic pattern or sequence.

**What is the number of the 6th runner?**

- A. 99
- B. 108
- C. 124
- D. 135



29 Three soft drink companies are responsible for most of the popular beverages in Baguio City. The graph below shows their annual sales over a period of eight years.



**In how many of the given years were the sales of Pepsi, greater than the average annual sales of all three companies combined in that same year?**

- A. 3
- B. 5
- C. 4
- D. 6

Susan is a parent who is worried about the influence of violent video games on her children. She argues that if her children are allowed to play violent video games, they will become more aggressive and eventually turn to real-life violence.

Susan: "If we let our children play violent video games, it's only a matter of time before they start acting out violently in real life. We can't take that risk."

**Which of the following sentences shows the mistake Susan has made in her argument?**

- A. Susan is not considering the other factors that may contribute to aggressive behaviour, such as a child's upbringing or environment.
- B. B. Susan assumes that playing violent video games will inevitably lead to a series of events that leads to children becoming violent in real life, which is not always the case.
- C. Susan is not presenting any evidence or research to support her claim that violent video games lead to real-life violence.
- D. Susan is not considering the fact that many children are able to play violent video games without exhibiting aggressive behaviour.

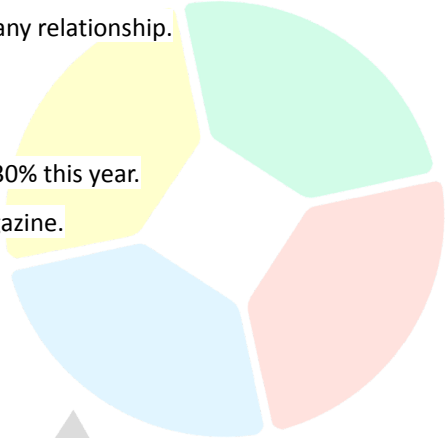
Marvel has conducted a survey to determine who has watched Endgame. They interviewed fans under 40 years old, all of whom provided helpful answers. The results are as follows:

Age group	Number of fans who watched Endgame			
	Never	Only once	Only twice	More than twice
Under 29	15	15	20	6
30-39	25	36	10	3

**Only counting the answer of fans under 30 years old, what percentage of them saw Endgame more than once?**

- A. 46%
- B. 40%
- C. 30%
- D. 26%



<p>32</p>	<p>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.</p> <p>Statements:</p> <p>I. The number of people attending the music festival has increased by 30% this year.</p> <p>II. The music festival was featured on the cover of a popular music magazine.</p> <p><b>Which of the following must be true?</b></p> <p>A. Statement I is the cause and statement II is its effect.</p> <p>B. Statement II is the cause and statement I is its effect.</p> <p>C. Statements I and II are either independent causes or independent effects.</p> <p>D. Both statements I and II are effects of some common cause.</p> 
<p>33</p>	<p>Children are often drawn to superhero films and aspire to be like the heroes they see on screen. They may try to imitate the behaviour and values of these characters in an effort to be like their idols. Some children even try to recreate the superhuman feats and abilities depicted in the films. Therefore, it is important that we ensure that the values and behaviours depicted in superhero films are positive and beneficial for children to emulate.</p> <p><b>Which among the statements, if true, best weakens the passage?</b></p> <p>A. Children who watch superhero films are more likely to have higher self-esteem and feel more confident in their abilities.</p> <p>B. A recent study found that children who watch superhero films are more likely to engage in prosocial behaviour, such as sharing with others and helping others.</p> <p>C. Highlighting the origin stories of villains helps people understand the adversaries of these characters which led them to become wicked, and this builds an attitude of compassion and grace among children by understanding the other side of the story.</p> <p>D. Children may become discouraged by their own imperfections in comparison to the superhuman characters they see in superhero films.</p>
<p>34</p>	<p>Rachel is the owner of a high-end boutique and is looking to hire a new assistant manager to oversee the team of sales associates and ensure that the store runs smoothly. She has six shortlisted candidates and has specified that she is looking for someone who has a bachelor's degree in fashion merchandising from a university, has at least 5 years of retail management experience, has excellent customer service skills, and should live within Florida. Exceeding these qualifications is a plus. The six candidates are:</p>

Charlie - A fashion merchandising graduate with a bachelor's degree from the Fashion Institute of Technology who has 7 years of retail management experience, excellent customer service skills, and lives in New York.

Diana - A fashion modelling graduate with a bachelor's degree from Parsons School of Design who has 6 years of retail management experience, excellent customer service skills, and lives in Tampa, Florida.

Eve - A fashion merchandising graduate with a bachelor's degree from the University of California, Los Angeles who has 5 years of retail management experience, excellent customer service skills, and lives in Orlando, Florida.

Fiona - A fashion merchandising graduate with a bachelor's degree from the University of California, San Francisco who has 8 years of retail management experience, and excellent customer service skills, and lives in Fort Lauderdale, Florida.

George - A fashion merchandising graduate with a bachelor's degree from the University of Arizona who has 6 years of retail management experience, excellent customer service skills, and lives in New Jersey.

Hannah - A fashion modelling graduate with a bachelor's degree from the University of Michigan who has 7 years of retail management experience, excellent customer service skills, and lives in Jacksonville, Florida.

**Who among the candidates should Rachel consider?**

- A. Either Charlie or Diana
- B. Charlie
- C. Either Charlie or Eve
- D. Either Eve or Fiona
- E. Fiona

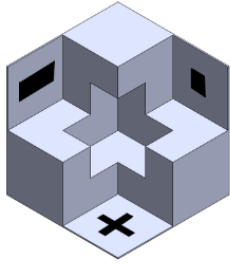
35 Many people believe eating a diet high in protein is essential for building muscle mass and improving athletic performance. However, recent research suggests that consuming too much protein can actually be harmful to the body. Excess protein can put a strain on the kidneys and lead to a variety of health problems, including osteoporosis and kidney stones.

**Which of the following best expresses the main conclusion of the argument?**

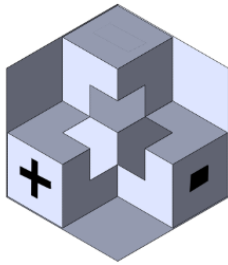
- A. Protein is an important nutrient for building muscle mass and improving athletic performance.
- B. Consuming too much protein can lead to a variety of health problems.
- C. Eating a high-protein diet can help you lose weight.
- D. Protein supplements are a safe and effective way to increase muscle mass.

36

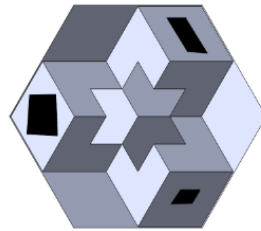
Which figure is the rotation of the object?



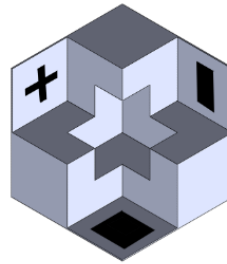
A.



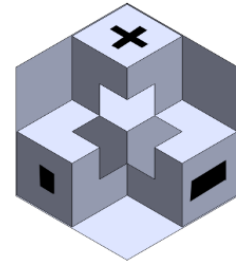
B.



C.



D.



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All flowers are plants. All plants are living things.

**Conclusions:**

- I. All flowers are living things.
- II. No living thing is a flower.
- III. Some living things are not flowers.

**Which of the following conclusions follow?**

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

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Social media has become an integral part of children's lives and has a significant influence on their behavior, values, and self-esteem. Studies have shown that children who spend more time on social media are more likely to have higher levels of self-esteem and feel more connected to their peers. Additionally, social media allows children to express themselves and share their interests and passions with a wider audience. Therefore, it is important that we support and encourage children's use of social media.

Which among the statements, if true, best weakens the passage?

- A. Children who use social media are more likely to engage in risky behaviour, such as sharing personal information or meeting strangers in person.
- B. Children who use social media are more likely to be exposed to cyberbullying and online harassment.
- C. Children who use social media are more likely to have lower grades and perform poorly in school.
- D. Children who use social media are more likely to develop social skills and confidence in communication.

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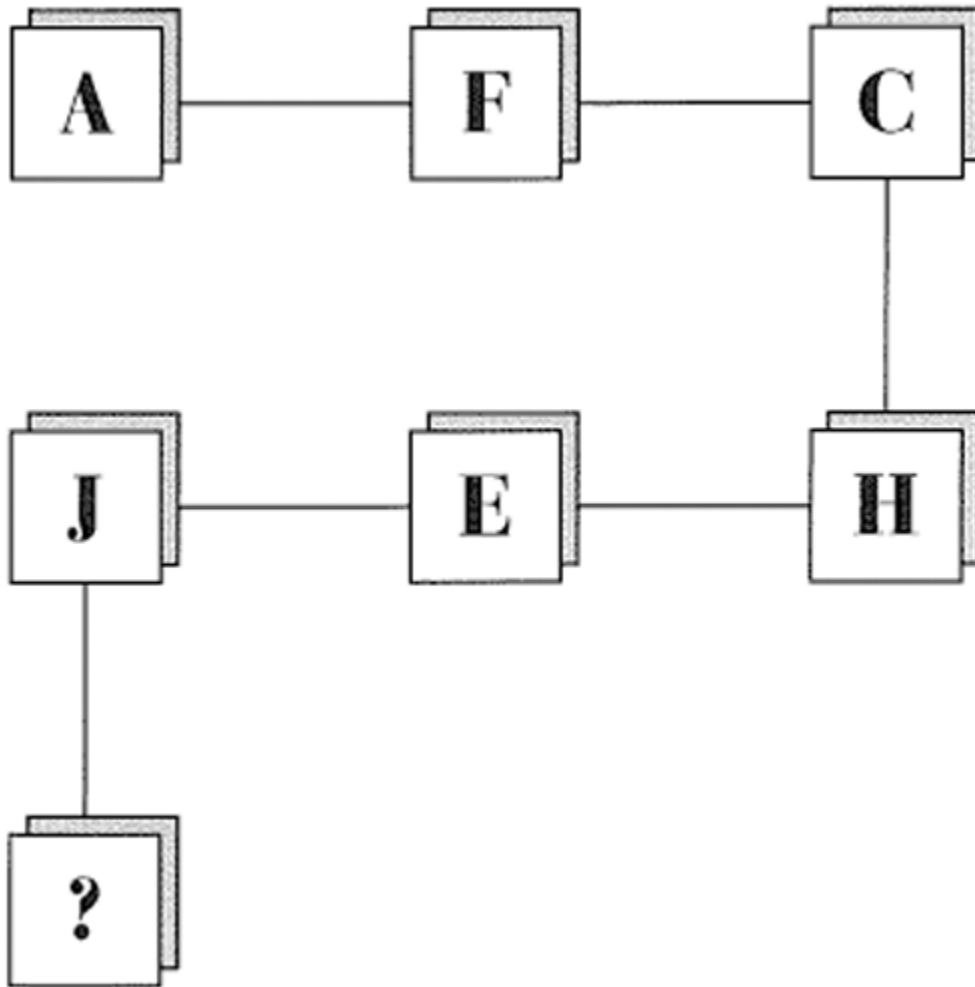
Jenna and Peter are classmates who are having a debate about the importance of exercise. Jenna argues that exercise is essential for good health, while Peter argues that it is not necessary as long as one eats a healthy diet.

Peter: "Jenna, you can't just focus on exercise. What about the fact that sugar is bad for you? If you eat a lot of sugar, it doesn't matter how much you exercise."

**Which of the following sentences shows the mistake Peter has made in the argument?**

- A. Peter is not considering the fact that exercise has many other benefits beyond just weight loss, such as improving cardiovascular health and mental well-being.
- B. Peter is not presenting any evidence or research to support his claim that sugar is bad for you.
- C. Peter is not taking into account the fact that one can eat a healthy diet and exercise in order to achieve optimal health.
- D. Peter is introducing an unimportant fact such as the issue of sugar which is unrelated to the argument about the importance of exercise.

What should replace the question mark?



- A. F
- B. G
- C. H
- D. I