### NO. QUESTION

Emma is looking to buy 12 instant coffees in sachets at an affordable price. There were four local stores that sell instant coffee. She immediately looked through these stores online to compare their prices. The prices are given below.

SHOP	PRICE	PROMO	
Shop A	\$12	Regular price for 1	12 instant coffees
Shop B	\$1	10% off on the first six coffees	
Shop C	\$1.25	Buy 2, get 1	
Shop D	\$1	15% off on the tot	al bill

Which shop should she buy the instant coffee from if she wants to spend as little as possible?

- A. Shop A
- B. Shop B
- C. Shop C
- D. Shop D

Community health protocols are an essential component of public health initiatives aimed at preventing the spread of infectious diseases. These protocols involve a range of measures, including vaccination campaigns, improved hygiene practices, and effective monitoring and tracking systems. One of the key benefits of implementing community health protocols is that they can help to break the chain of transmission of infectious diseases. This is achieved through a combination of measures such as encouraging individuals to get vaccinated, promoting good hygiene practices, and implementing effective contact tracing systems.

### Which of the following statements is the main conclusion of the passage?

- A. It takes more than a protocol to effectively eliminate infectious diseases.
- B. People nowadays, do not follow the protocols as their means of their own survival.
- C. Community health practitioners need the help of the people to be able to fight off diseases.
- D. Following community health protocols can help keep the community healthy through various measures.

To ensure that no one else can read their notes, brothers Dean and Sam use a grid code when writing messages. The grid looks like this:

	1	2	3	4	5
Α	W	J	K	ا ا	Х
В	А	_	В	C	М
С	N	Ι	0	D	Р
D	Q	Y/Z	Е	R	U
E	F	G	S	Т	V

For example, the word BYE could be coded as B3D2D3.

If Dean wants to ask Sam "HEY BRO", how should he encode it?

- A. C2D4D2 B3D4C3
- B. C2D3D2 B3D4C3
- C. C2D3D2 E3D4C3
- D. C2D3D1 B3D4C3
- Three friends Eren, Mikasa, and Armin, were suspected of disobeying the orders of their commander. When threatened that they would face termination, they made the following statements:

**Eren**: I am guilty.

Mikasa: Eren is not guilty.

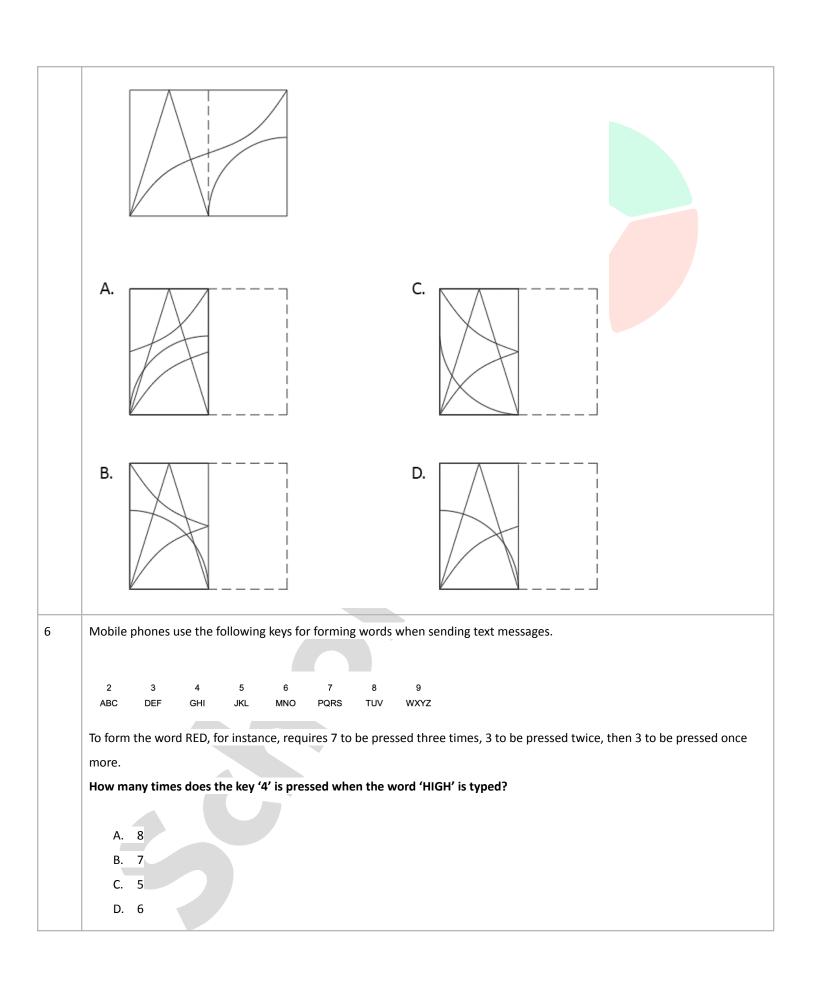
Armin: Mikasa is not guilty.

However, two are guilty, and one is lying.

#### Which of the following statements must be true?

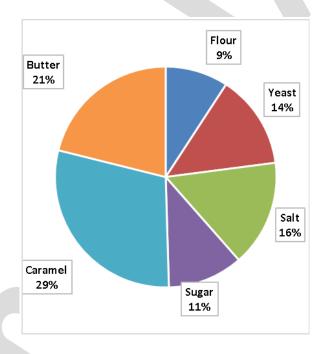
- A. Eren is not guilty but lying.
- B. Mikasa is guilty but telling the truth.
- C. Mikasa is not guilty but lying.
- D. Armin is not guilty but lying.

Find out from amongst the four alternatives as to how the pattern would appear when the transparent sheet is folded at the dotted line.



Cassy was in the mood to try a new dessert recipe. She had heard about a delicious French pastry called Kouign Amann and decided to bake it. She listed all the necessary ingredients, and browsed through shops that sell these ingredients. The prices for each ingredient is given below.

INGREDIENT	SHOP A (\$)	SHOP B (\$)	SHOP C (\$)	SHOP D (\$)
Flour	12	10	13	15
Yeast	14	15	12	16
Salt	20	17	15	23
Sugar	13	12	13	14
Caramel	36	32	32	35
Butter	24	23	16	22

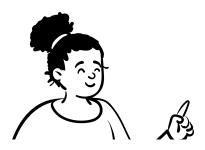


## Which shop is being represented by the pie chart?

- A. Shop A
- B. Shop B
- C. Shop C
- D. Shop D

Yasmin is a talented singer who has a passion for music and a heart for worship. She had always been drawn to singing at church and loved nothing more than lifting her voice in praise to God.

One day, Yasmin was approached by her church's music director, who asked her if she would be willing to lead the congregation in worship. Yasmin was overjoyed at the opportunity and eagerly accepted the offer. As she stepped up to the microphone, Yasmin could feel the eyes of the congregation upon her.

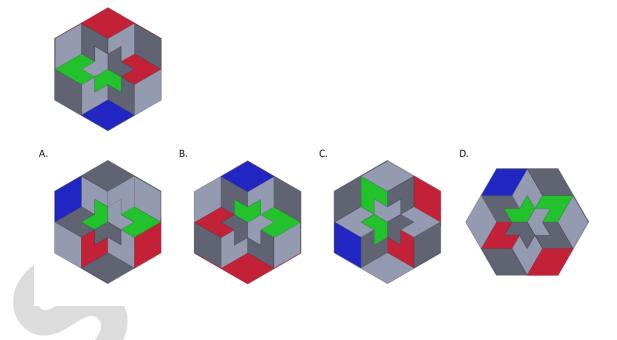


Yasmin: "There's no going back. I didn't make it this far just to step back."

### Which among the options best describes the flaw in Yasmin's statement?

- A. Yasmin thinks that she needs to do it since everybody does.
- B. Yasmin invalidates other worshipers' ability to lead.
- C. Yasmin thinks that she only has two options: to sing or not.
- D. Yasmin thinks that she needs to go on with it because she already spent a lot of time on it.

## 9 Which figure is not the rotation of the object?



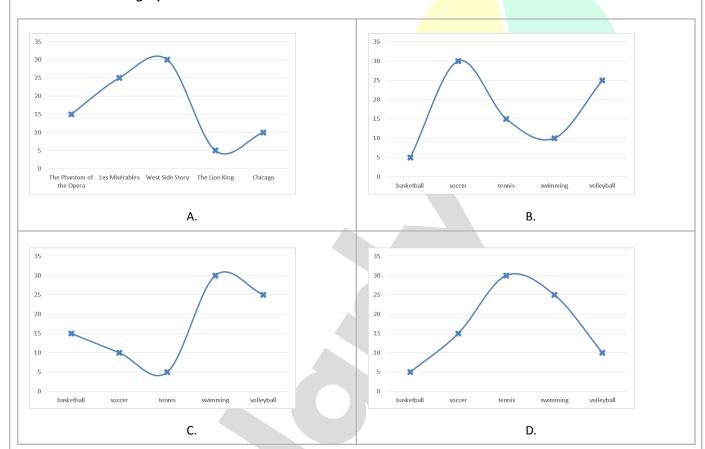
10 Ena used the binary number system of coding to send a message to her friend Ebony.

If the message "ENDURANCE" is written as

# What is the code for UNDER? A. 01001101 01001111 01101100 01010011 01110011 B. 01001101 01101111 01101100 01000011 01110011 C. 01001101 01001111 01101100 01000011 01110011 D. 01001101 01001111 01101100 01000011 01111011 The cost of school uniforms is a barrier to education for many families. School uniforms are a necessity for students attending 11 schools that have a dress code policy, but the cost of purchasing these uniforms can be a significant burden on families, especially those living in poverty. In some cases, the cost of uniforms can be more than the monthly grocery budget for a family. This not only limits access to education but also puts additional stress on already struggling families. Thus, schools should stop imposing school uniforms for students because they should not be the family's main priority. Which of the following statements, if true, best strengthens the above argument? A. Schools with dress codes often have low-cost uniform options available for families in need. B. The cost of school uniforms is a small fraction of the overall cost of education. C. The use of uniforms in schools has been shown to improve student behaviour and academic performance. D. Low-income communities reported having to make sacrifices in other areas, such as food and housing, to pay for their children's school uniforms. 12 Mia wants to buy new beauty products. So, she browsed some products and found a shop which offered a free delivery charge if four of their products were purchased. The shop gives four lists, and she needed to choose only one from each list. LIST 1 LIST 2 LIST 4 LIST 3 concealer lotion mascara lipstick foundation blush primer lip balm sunscreen foundation eyeshadow primer Which of the following can he not choose if he already chose concealer, foundation, and lipstick? A. lotion B. primer mascara D. eyeshadow 13 A survey was conducted to gather information about the favourite musical of people in a certain city. The survey participants were asked to choose their top 5 favourite musicals. The table below shows the results. The Phantom of Musicals Les Misérables West Side Story The Lion King Chicago the Opera

Number of	15	25	30	5	10
people					

### Which of the following represents the data above?



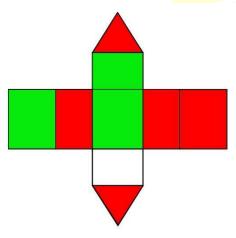
Scientists are constantly exploring the universe, using powerful telescopes and other cutting-edge technology to gain a deeper understanding of the cosmos. From the mysterious black holes that consume all matter in their path, to the infinite expanse of the universe itself, the universe holds endless secrets waiting to be discovered.

One of the main challenges facing scientists is that much of the universe is too far away to be directly observed. However, by carefully analysing the light that reaches us from distant stars and galaxies, they are able to piece together a more complete picture of the universe and how it has evolved over time.

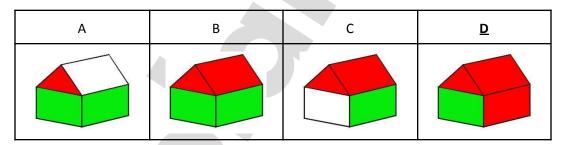
Despite the difficulties they face, the tireless work of these scientists continues to yield incredible results, helping us better understand not only the universe, but also our place within it.

## Which of the following statements is the main conclusion of the passage?

- A. The universe needs to be discovered more.
- B. Scientists use telescopes to explore the universe.
- C. Scientists are uncovering the secrets of the universe.
- D. The earth is the perfect planet for humans.
- 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?



16

Mathias is playing with his classmates when suddenly, the door bursts open and a clown walks in, causing a commotion in the room. The clown is carrying a big bag of props and toys, and starts performing magic tricks for the kids. Mathias is sceptical at first, but as the clown continues to amaze the class with his illusions, Mathias becomes more and more entertained. He starts clapping and cheering along with the rest of the class.

The visit from the clown has made Mathias's day and has sparked a newfound interest in magic and illusions.



Mathias: "I really enjoyed the show. In the future, I want to be a clown or else I will be a sad adult."

## Which among the options best describes the flaw in Mathias's statement?

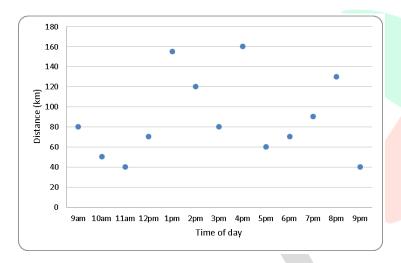
- A. Mathias thinks that he only has two options in the future: to be happy or sad.
- B. Mathias shifts the focus away from the clown onto his dream.
- C. Mathias thinks that he needs to be a clown someday because he already invested emotions in it.
- D. Mathias invalidates the happiness other jobs might bring.
- 17 The code for an even-positioned letter in the alphabet is 8, and the code for an odd-positioned letter is 9.

### What is the code for the word "CHAMPION"?

- A. 98998999
- B. 98999998
- C. 98998998
- D. 98898998



Shown in the table below is the travel data of Dylan.



The average distance between two times is equivalent to the distance travelled for half an hour for the same span of time.

## How far did Dylan travel from 10:00 am to 5:30 pm?

- A. 900 km
- B. 800 km
- C. 600 km
- D. 700 km

19

Your company is undergoing a major restructuring and downsizing, and you have just received notice that your job is being eliminated. However, you have discovered that a senior executive in the company has been engaging in unethical practices, and you have evidence to prove it.

#### Courses of Action:

- I. Confront the senior executive and report their unethical practices to the appropriate authorities.
- II. Report the senior executive's unethical practices to the HR department and request that they take appropriate action.
- III. Keep quiet about the senior executive's unethical practices and focus on finding a new job.

### Which of the following courses of action follow?

- A. Only I and II follow
- B. Only II and III follow
- C. Only II follows
- D. Only I follows

Louie has a large number of passwords he needs to remember from the many internet accounts he has. Thinking it will be more secure, he uses an alternative alphabet to create the passwords required to access the different accounts. He uses a version of the Leet alphabet, shown in the table below, to create these passwords. So, for example, GOOD could be translated as 900|>. To access his email account online, he makes the password by translating his hint word EXCELLENT using the Leet alphabet.

Α	/-\ or	N	\  or /\/ or  \\  or / /
В	3 or 8 or  o	o	0 or () or [] or {}
С	(or < or K or S	Р	2 or  D
D	) or o  or  > or <	Q	(,) or kw
E	3	R	2 or  Z or  ?
F	= or ph	s	5 or 2 or \$
G	( or 9 or 6	Т	= or '][' or 7
Н	-  or ]-[ or }-{ or (-) or )-( or #	U	I_I
I	1 or   or ! or ][	٧	/ or \  or V or /
J	_	W	√/ or \ \  or  / / or \ / or \^/ or //
K	< or /< or \< or  {	Х	>< or }{
L	_ or   or 1	Υ	'/ or "/ or j
М	V  or //\ or  ' '  or (V) or /\\ or / \ or /∨\	Z	2 or (\)

If the word "AMAZING" is translated, which one of the following passwords is not a possibility?

- A. /-\/\//-\21/\/9
- B. /-\|V|/\(\)||\|6
- C. /\|'|'|/\21|\\|9
- D.  $/ \sqrt{4()} [//)$

21 Small-group tutoring can be a valuable tool for students returning to school, especially those who are struggling to keep up with their peers. By providing individualised attention and a supportive environment, small-group tutoring can help students build the confidence and skills they need to succeed in their academic pursuits. Thus, small-group tutoring is a must all over the country since it is more cost-effective than one-on-one tutoring.

### Which of the following statements, if true, best weakens the above argument?

- A. Research has shown that small-group tutoring is an effective way to improve student performance.
- B. Many students who have participated in small-group tutoring programs have reported significant academic improvement.
- C. Some teachers are not trained to provide small-group tutoring.
- D. All students who are falling behind in school would benefit from small-group tutoring.

Eden is at the mall looking to purchase a few items for her home. She walks into the first store she sees and begins her shopping spree. Shown on the table are the prices for each purchase she made and the amount paid with the store's promo.

PURCHASE	PRICE	AMOUNT PAID
comforter	\$25	\$23.00
pot	\$13	\$11.50
canvas	\$52	\$51.75
speaker	\$64	-

The total amount she paid was \$148.

### How many percent off was the speaker?

- A. 7%
- B. 6%
- C. 5%
- D. 4%

23

Dana is walking through the park when she sees her friend Troy sitting on a bench, wearing a pair of brand new sneakers. She walks over and greets him, and he tells her that he just got the sneakers and is really excited about them. He explains that he's been saving up for months to buy them and is thrilled with how comfortable and stylish they are.

As they continue talking, Troy can't help but be saddened by how Dana thinks of him.





Troy: "I am now excited for the upcoming game because I am going to wear this."

Dana: "If I know, you only want to wear it to impress others and to show them that you have a lot of money."

#### Which among the options best describes the flaw in Dana's statement?

- A. Dana thinks that Troy is pretending to like his new shoes because he already spent on them..
- B. Dana invalidates Troy's feelings and excitement.
- C. Dana shifts the focus away from Troy's new shoes onto her opinion.
- D. Dana thinks that a series of events will take place as Troy buys new shoes.
- Nina uses similar passwords for her five email accounts. All of her passwords consist of 8 characters. She knows that the password for her Email 5 account has exactly one different character from the passwords of her other accounts. Her passwords are shown below:
  - Email 1: mRiwd#p9

	Email 2: mLiwf#p9
	Email 3: mRiwf?p9
	Email 4: mRnwf#p9
	What is Nina's Email #5 password?
	A. mRiYf#p9
	B. mriwf#p9
	C. mRiwf#p8
	D. mRiwf#p9
	D. IIINIWI#p9
25	When viewed from above, an object looks like the picture shown below. Which one of the following is a possible view from the side?
	view from the side:
	A. B. C. D.
	А. В. С. D.
26	Two letters must be placed in each set of brackets so that they form a word when tacked to the letters on the left and
20	another word when placed in front of the letters on the right. The letters placed in the brackets must produce a six-letter
	word when read downwards in pairs.
	TA () IN
	HO () GE

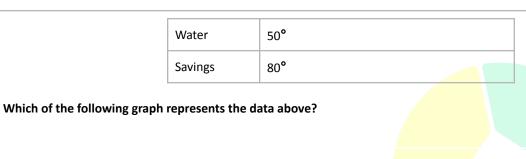
RO (\_ \_) EN What word can be formed? A. COURSE B. QUENCH C. SWIPED D. SOLVED 27 The Auckland floods that occurred last month are a clear indication that the city is not prepared for the impacts of climate change. The heavy rainfall that caused widespread damage and disruption was a reminder that the city needs stormwater systems that can effectively manage increased rainfall and rising sea levels. A stormwater system that is designed to accommodate the changing climate will not only reduce the risk of flooding, but it will also provide a more sustainable solution for managing water in the city. Thus, the government must allot all of the country's budget on creating stormwater systems. Which of the following statements, if true, best weakens the above argument? A. Creating stormwater systems cost less than the expenses for rescue missions. B. The country's engineers evaluate the floodwaters pathway to plan for a storm drain system. C. The heavy rainfall does not affect the residents since the country is surrounded by trees. D. There are other important issues and concerns that the government also has to admit to. 28 Arianese is a language. Here are some sentences in Arianese together with their English translations: Pkr diemqhc tsne udm elsu. -> It's raining cats and dogs. Lhoe pc mdchosjem hdbrolpdh -> That is a beautiful butterfly. Lfor ine pc lejrn. -> What day is today? Here is a sentence in Arianese: Pkr mdchosjem ine. Which English sentence conveys its correct meaning? A. It's a beautiful day. B. It's raining today. C. It's a butterfly day. D. It's cats and dogs. 29 Evelyn adjusted her monthly allowance allocation to insert a savings fund. Her new allowance allocation is given in the table below. **EXPENSES CORRESPONDING ANGLE OF EACH SECTOR** 

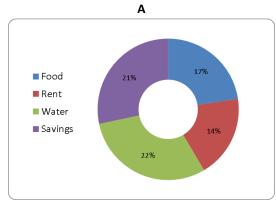
Food

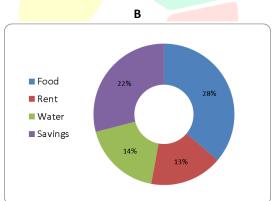
Rent

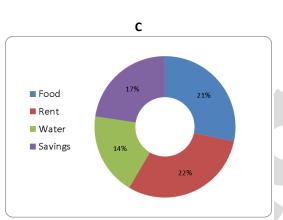
100°

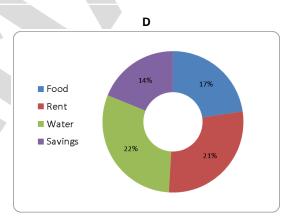
46°







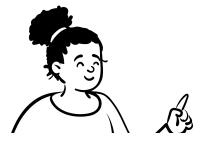




30

Adeline is visiting the dentist for her routine check-up. As she sits in the waiting room, she notices a bowl of seaweed on the table. She picks up a piece and examines it curiously. The dentist walks in and sees her with the seaweed. He explains that it's a special type of seaweed that has many health benefits and that he often recommends it to his patients as a snack. Adeline hesitantly takes a bite and is pleasantly surprised by the flavour.

Adeline decides to make seaweed a regular part of her diet.

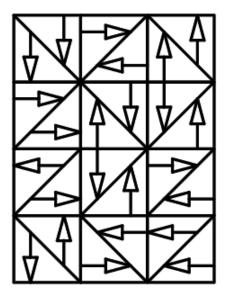


Adeline: "I should only eat seaweed because the dentist says so."

## Which among the options best describes the flaw in Adeline's statement?

- A. Adeline shifts the focus away from her cavities onto the seaweeds.
- B. Adeline invalidates her doctor's opinion about her health.
- C. Adeline thinks that seaweeds are good because everybody eats them.
- D. Adeline relies on the perceived authority of the dentist on seaweeds.

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



32

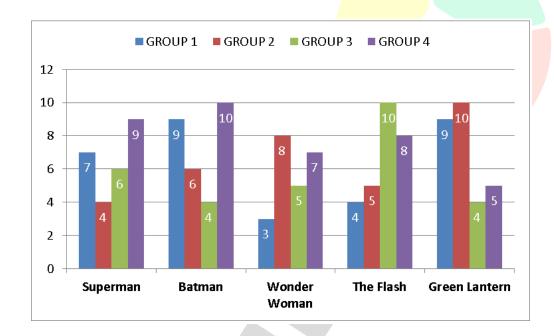
- A. 2
- B. 3
- C. 4
- D. 5

The world's largest wild population of water buffalo now roam Australia. With over 200,000 individuals, these majestic creatures have found a new home in the tropical savannas and wetlands of northern Australia. The water buffalo, once domesticated for their meat and dairy, have now thrived in the wild thanks to their hardiness and adaptability. They are now considered a crucial part of the ecosystem and so, the authorities now neglect other animals' welfare because they do not increase the country's economy.

### Which of the following statements, if true, best strengthens the above argument?

- A. Raising water buffaloes cost less than raising any other farm animals.
- B. Water buffaloes consume too much food as they need it to become strong.

- C. The environment might be harmed by raising water buffaloes.
- D. Many people now raise water buffaloes along with other animals for a better income.
- Joann conducted a survey about the most famous Justice League heroes. The surveyees rated the Justice League characters from 1-10, with ten being the highest. The survey results are shown in the table below:



Who is the most popular hero if scores 1-4 are considered 0?

- A. Superman
- B. Batman
- C. Wonder Woman
- D. The Flash

34

Emman is a big fan of westerns and has always dreamed of being a cowboy. One day, he decides to fulfil his dream and throws a backyard BBQ with a western theme. He invites his friends over and they spend the afternoon playing games and eating delicious food cooked on the grill. Emman takes on the role of the cowboy, wearing a cowboy hat and boots, and grilling burgers and hot dogs over an open flame.

When everybody got home, they experienced stomach ache except Emman.



Emman: "It must have been the hot dog because I ate everything except it."

#### Which among the options best describes the flaw in Emman's statement?

- A. Emman shifts the focus away from the cowboy theme onto his friends' condition.
- B. Emman invalidates his effort for preparing everything for his friends.
- C. Emman hastily came up with a conclusion despite having only one factor.
- D. Emman thinks that a series of events will happen.

Mirabel found a new way to send a message to her sister Isabela. Instead of using the normal alphabetical letters, she uses the keyboard keys to write a message. Below is a guide to Mirabel's new messaging system:



For example, if Mirabel wants to send Isabela "HELLO", he would type "JWCCE"

Mirabel is planning this message to Isabela: "SEE YOU LATER"

#### How will Mirabel communicate her message to Isabela?

- A. VWWLEKCYQWB
- B. VWWLEKCYQWR
- C. VWWREKCYQWR
- D. VWWLEKCBQWR

36

Australia's energy landscape is undergoing a major transformation as the country shifts towards renewable energy sources. The government and private sectors are investing in large-scale solar farms, wind farms and other clean energy projects to reduce the country's reliance on fossil fuels and meet emissions reduction targets.

Despite the positive impact of this transition, some challenges have arisen. One of the major debates centres around the cost-benefit analysis of renewable energy investments. Some argue that the high upfront costs and maintenance expenses associated with renewable energy sources make them an unsustainable option, while others believe that the long-term benefits, such as improved energy security and reduced greenhouse gas emissions, make them a worthwhile investment.

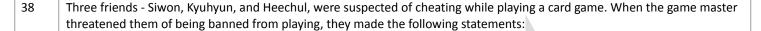
## Which of the following statements, if true, best strengthens the above argument?

- A. Renewable energy sources are consistently cheaper than fossil fuels.
- B. The government is providing substantial financial incentives for the adoption of renewable energy sources.

- C. The cost of renewable energy sources has significantly decreased in recent years.
- D. The maintenance expenses associated with renewable energy sources are high.
- The following words have been translated from artificial language:
  - "dheep hikj" means "happy life"
  - "cdge sdcd" means "long race"
  - "defgtvhuk der" means "beautiful car"

### Which word could mean "long life"?

- A. cdge hikj
- B. cdge sdcd
- C. cdge der
- D. cdge dheep



**Siwon**: Kyuhyun is guilty. **Kyuhyun**: Siwon is guilty. **Heechul**: Kyuhyun is not guilty.

However, two are guilty, and one is lying.

#### Which of the following statements must be true?

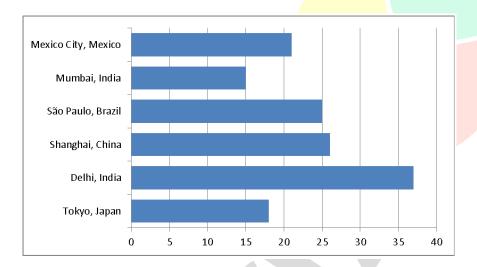
- A. Siwon is not guilty and is telling the truth.
- B. Kyuhyun is guilty and lying.
- C. Heechul is guilty and not telling the truth.
- D. Siwon is guilty but telling the truth.

#### 39 Listed below are six cities with over a million populations.

CITY	POPULATION (in million)
Tokyo, Japan	37
Delhi, India	18
Shanghai, China	26
São Paulo, Brazil	25
Mumbai, India	15

Mexico City, Mexico 21

A chart was made based on the data. However, two values have been incorrectly interchanged.



## Which of the following were interchanged?

- A. Tokyo, Japan and Delhi, India
- B. Shanghai, China and São Paulo, Brazil
- C. Mumbai, India and Mexico City, Mexico
- D. Shanghai, China and Mumbai, India

Carla assessed her scores on topics of Humanities, Language, Technology, and Arts. She gave percentages for each topic based on how well she understood the topics. The percentage for each topic is given below.

ТОРІС	PERCENTAGE
Humanities	10%
Language	8%
Technology	35%
Arts	27%

