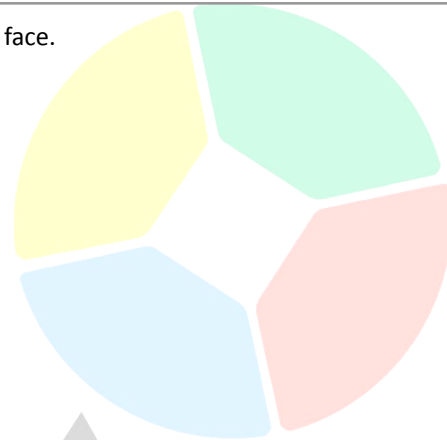


NO.	QUESTION
-----	----------

1 Maxine has eight cubic bricks. Each brick has a different letter on each face.

The letters on each brick are

- Brick 1 – SESXF
- Brick 2 - PETVY
- Brick 3 - IEATA
- Brick 4 - NTNQB
- Brick 5 – ANWDU
- Brick 6 – ELAZR
- Brick 7 – LRXER
- Brick 8 - SKSDS



Which one of the following can Maxine not spell out with her bricks?

- A. SPINNERS
- B. EYEBALLS
- C. STANDARD
- D. COMPLETE

2 Rameses was asked by his mother to buy some ingredients for tonight’s dinner. He was tasked to buy the following: three eggs, five onions, two carrots, and six tomatoes. The shops and prices of the items are shown in the table below.

ITEM	SHOP A (per item)	SHOP B (per item)	SHOP C (per item)	SHOP D (per item)
Egg	\$2	\$5	\$3	\$4
Onion	\$5	\$4	\$2	\$3
Carrot	\$8	\$10	\$6	\$7
Tomato	\$7	\$6	\$8	\$9

Rameses was told to spend as little as possible.

If he goes to the cheapest shop, how much would he have to pay for all the items?

- A. \$81
- B. \$89
- C. \$77
- D. \$79

3

Amara, Belle, and Ciara have been friends since high school. Now, all three of them have their own work. One is a hair stylist, an engineer, and a nail tech, but not necessarily in the same order. They often see each other, especially when they send and fetch their kids to the school, whose names are Ella, Dylan, and Franz, also not necessarily in the same order.

Consider the following statements:

- Amara is Dylan's mother.
- Ella's mom is not a hairstylist.
- The nail tech owns a honda.
- Belle is either a nail tech or an engineer.
- Ciara owns a jeep.
- Franz's mom is a nail tech.
- Dylan's mom owns a ford.

What is the occupation of Dylan's mother?

- A. Engineer
- B. Hair Stylist
- C. Nail Tech
- D. Cannot be determined



4

Ellie and Mico have a secret code when communicating. Mico used pictures rather than letters. Ellie knows that the following symbols represent the word "BAKE".




What do these symbols represent?



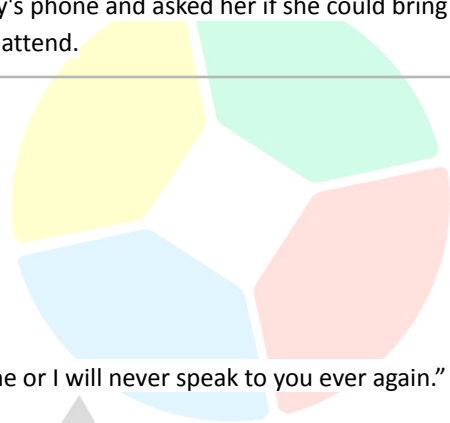
- A. CRAM
- B. CORN
- C. CARD
- D. CENT

<p>5</p>	<p>Globalisation affects the interactions between nations, businesses, and individuals. Changing the manner in which nations engage in commerce and financial exchange and contact fosters the cultural interchange of ideas. The process of globalisation has been characterised by waves of expansion and contraction over the course of human history. It eliminates geographical limits, political boundaries, and political economy as barriers.</p> <p>Which of the following best strengthens the above argument?</p> <ul style="list-style-type: none">A. Globalisation affects state economic activity by expanding commerce, developing a global supply chain, and facilitating access to natural resources and labour.B. Globalisation aims to improve and develop the current state of only one country by working on the connections of the different cities.C. Globalisation aims to increase the cost of manufacturing in order to raise wages by a certain amount to benefit the employees working in the company.D. Globalisation attempts to strengthen international connections but also pushes wealthier nations to exploit the resources of developing nations.
<p>6</p>	<p>Germes can transmit quickly from person to person through physical contact, particularly when people touch, shake hands, or hug. Hand washing is one of the simplest and most important things you can do to maintain your health and prevent the spread of germs. Handwashing is one of the most effective ways to eliminate germs, prevent illness, and stop the spread of germs to others.</p> <p>Which of the following best strengthens the above argument?</p> <ul style="list-style-type: none">A. Food is more enjoyable when you know you're eating with clean hands.B. Handwashing reduces the risk of diarrhoea, salmonella, and hand-foot-and-mouth diseases.C. Handwashing is very important in food preparation, especially in restaurants.D. Using alcohol and sanitisers can also prevent the rapid spread of germs and bacteria.
<p>7</p>	<p>Almost all body tissues are affected by lack of sleep. It impacts the development and stress hormones, the immune system, metabolism, breathing, blood pressure, and cardiovascular health, hence increasing the risk of obesity, heart disease, and infections. Additionally, lack of sleep can lead to decreased cognitive function and memory impairment, making it harder to focus and be productive. Moreover, it can also negatively impact mental health, increasing the risk of depression and anxiety. Thus, getting 13 to 16 hours of sleep is important for people to keep their bodies healthy and full of energy.</p> <p>Which of the following best weakens the above argument?</p> <ul style="list-style-type: none">A. Too much sleep can lessen the productivity rate of a person.B. Oversleeping causes diabetes, cardiovascular disease, and an increased chance of death.C. Drinking vitamins regularly can also help the body produce more energy.D. Some illnesses like heart disease and diabetes can be transferred from a parent to a child.

<p>8</p>	<p>Regular medical checkups consist of both physical and mental examinations to ensure that the body and mind are healthy. Regular health examinations can detect early warning signals of health problems. Going for a medical checkup at least once a year helps people avoid a variety of diseases and detect others early, and it also serves to keep people better informed about their health.</p> <p>Which of the following best strengthens the above argument?</p> <ul style="list-style-type: none">A. Going for regular medical check-ups allows you to make use of <u>your medical health card</u>.B. Hospital visits allow you to be friends with doctors who can help you in the future.C. Early diagnosis of diseases may result in more effective treatments and longer lifespans.D. Regular medical check-ups allow doctors and nurses to practise their medical skills.
<p>9</p>	<p>Exercise improves mental health, aids in weight management, reduces the risk of disease, fortifies bones and muscles, and enhances the capacity to perform daily tasks. Physical activity strengthens the heart and promotes circulation. Exercising for a minimum of three hours every day is good for the body as it ensures that the body is healthy and strong.</p> <p>Which of the following best weakens the above argument?</p> <ul style="list-style-type: none">A. Not all people have the time to exercise for three hours.B. Healthy food and lots of vitamins are also needed to <u>keep the body healthy</u>.C. Overtraining can affect the immune system, promote <u>osteoporosis</u>, and damage the heart.D. Avoiding fatty food can also help in keeping the heart strong.
<p>10</p>	<p>John's daughter, Nikki, had a streak of failing grades <u>this term</u>, and it was evident that she needed to focus her attention on her studies. As a result, John was unhappy with his daughter and instructed her to put down her phone and study instead.</p>  <p>Nikki: "Why are you forcing me to study? You said that when you were my age, you had a lot of failing grades too."</p> <p>Which of the following statements best describes the flaw in Nikki's argument?</p> <ul style="list-style-type: none">A. Kiella deflected the criticism of having failing grades away from herself by accusing her father of the same <u>problem</u>.B. Kiella wanted to invalidate her father's argument by giving a false accusation. .C. Kiella <u>made an incorrect conclusion</u> that the reason she had failing grades was because of her father.D. A word was deliberately used by Kiella to confuse or mislead his father toward a false conclusion.

11

Kiella works as a computer engineer at Telstra. This morning, when she arrived at the office, she noticed that she had forgotten her phone at home. She called her sister using the company's phone and asked her if she could bring the phone to the office, but her sister said no because she had classes to attend.



Kiella: "But I really need that phone. It's either you bring me that phone or I will never speak to you ever again."

Which of the following statements best describes the flaw in Kiella's argument?

- A. Kiella wanted to invalidate her sister's argument, which is why she chose to attack her personally even if it had no relation to the argument.
- B. Kiella failed to consider the other possibilities to solve the situation and just chose to focus on two extreme options instead.
- C. Kiella assumed that not having her phone would lead to a chain of future events with really bad outcomes, even though she did not have any supporting evidence.
- D. Kiella's decision about not wanting to talk to her sister was only based on a few examples rather than actual proof.

12

Mike and Caleb are sharing a bedroom and Mike noticed that their room is really messy and badly needs some cleaning. Mike told Caleb not to go anywhere on Saturday because they would be cleaning their room to make it look more presentable and liveable.



Caleb: "I think we need a new gaming chair for our computer set-up here in our room, as it would look better if the colours of the mouse and keyboard matched the colour of the chair."

Which of the following statements best describes the flaw in Caleb's argument?

- A. Caleb deliberately used a word in his statement to confuse Mike as to what he really meant to say.
- B. Caleb assumed that they really needed to make all the colours match in their computer set-up because their friends said so.
- C. Since no one can prove that they don't need a gaming chair, Caleb assumed that his proposition about buying a new gaming chair was true.
- D. Caleb used a distraction to shift Mike's attention from cleaning and lead him to the conclusion that they needed a new gaming chair instead.

13

Ericka and Allia went to the coliseum to watch the politicians deliver their speeches and discuss their objectives and advocacies. Allia shared that she believes and supports Mr Clarkson's plans for the community because he is a man of his word and really does his best to help the people around him.



Ericka: "Oh not me. I don't believe anything that Mr. Clarkson says. He's from Croix City and all people from Croix city are liars."

Which of the following statements best describes the flaw in Ericka's argument?

- A. Instead of focusing on Mr Clarkson's argument, Ericka chose to attack him personally by criticising the place he's from in order to invalidate his argument.
- B. Ericka believes that all the people who live in Croix City are liars because no one can prove that her theory is not true.
- C. Ericka only focused on two extreme options even though there are a lot of other possibilities that could be considered.
- D. Ericka kept on repeating her conclusion about Mr Clarkson over and over again, even though she did not present any other conclusion for every repetition of the conclusion.

14

Benedict will be having a birthday celebration on Saturday, and Archie is invited. Archie asked his mom if he could go to Benedict's birthday party, but his mom did not allow him to go since Benedict's house is a bit far from their house and no one would fetch him after the party.



Archie: "If you won't let me go to the party, my friends will get mad at me, and if they get mad at me, they will no longer talk to me in school. And if they don't talk to me in school, I will have no friends to ask for help from, and when that happens, I will fail my classes and end up in the streets for the rest of my life."

Which of the following statements best describes the flaw in Archie's argument?

- A. Archie focused on two extreme options: he would either go to the party or he would end up in the streets, even though there are other possibilities that could be considered.
- B. Archie assumed that not going to the party would lead to a chain of future events that would result in bad outcomes even in the absence of proof.
- C. Archie used a distraction to shift his mother's attention from going to the party toward a false conclusion about his future.
- D. Archie chose to continue to force his mother to allow him to go to the party because he had already expended so much effort on it.

15 The COVID pandemic has caused more personality changes than would have occurred naturally. The researchers discovered that people nowadays are less extroverted, sociable, and conscientious than they were before the pandemic. Drops in extroversion, openness, and conscientiousness were also visible during 2021. The changes were like the normal changes that happen over a decade. This shows that the shock of the COVID pandemic sped up the normal process of personality change.

Which of the following best states the main conclusion of the argument?

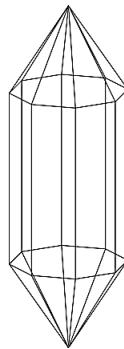
- A. The pandemic has caused more personality changes as researchers have discovered that people have become more introverted compared to the pre-pandemic era.
- B. The COVID pandemic brought a lot of changes to people's lives since a lot of people lost their jobs when the pandemic hit.
- C. A lot of personality changes have occurred, but researchers are now finding a way to help people be more open about how they feel about things.
- D. People become extroverts because of all the terrible things that have happened not just to them but also to their loved ones.

16 A contact lens is a thin plastic lens that is inserted directly into the eye. During regular usage, germs can develop on contact lenses. Germs are capable of causing serious eye infections that may lead to vision loss. These microorganisms are eliminated when contact lenses are cleaned properly. Also, cleaning protects the eyes from any particle, this is why it is important to clean the lenses after every use.

Which of the following best states the main conclusion of the argument?

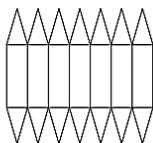
- A. Vision-impaired individuals should wear contact lenses as it would enable them to see better.
- B. Contact lenses should be cleaned every after use as bacteria can build up and lead to blindness.
- C. A lot of people go blind because they fail to clean their contact lenses after use.
- D. Cleaning contact lenses is important for people who have trouble seeing because clean lenses help them see better.

17

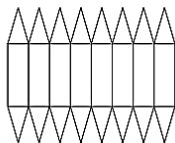


If the figure was to be unfolded, what would be its appearance?

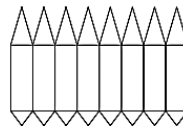
A.



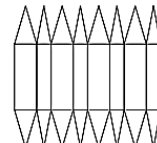
B.



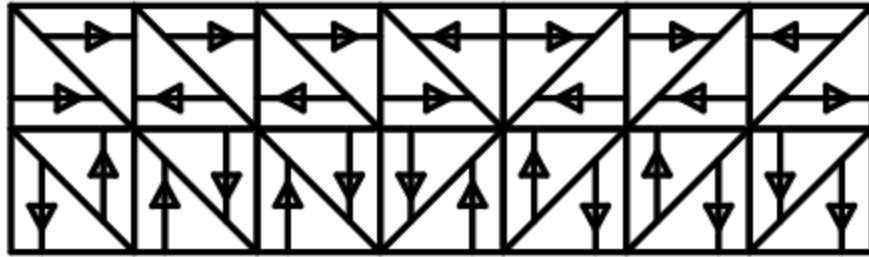
C.



D.



18

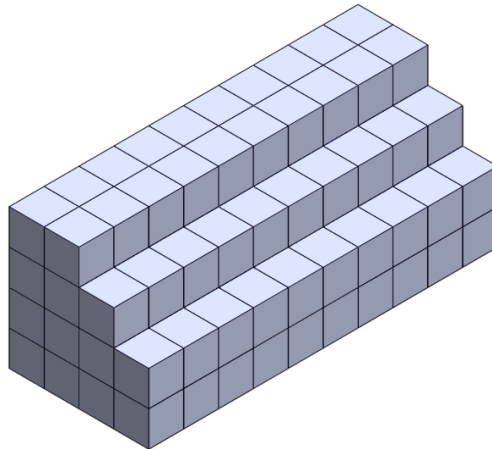


How many unique square tiles are required to create the pattern below? (Tiles can be rotated)

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

19

A staircase is made from 130 cubes fitted tightly together in the arrangement below. The **bottom 2 layers** are then immersed in quick-drying paint. All the exposed faces become covered in paint, but the inner ones remain unpainted.

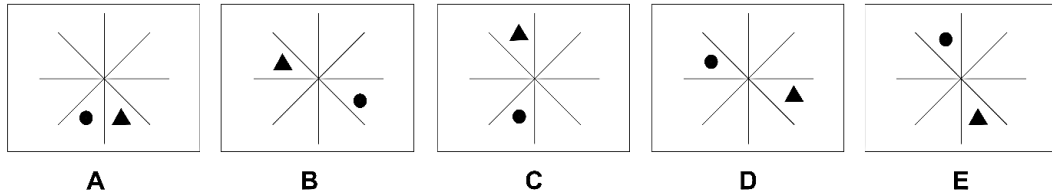
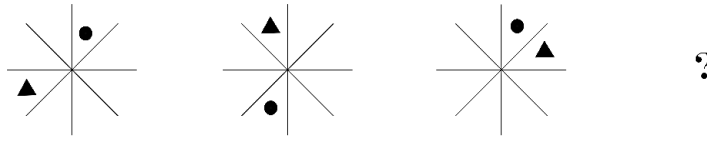


How many cubes have at least one side painted?

- A. 40
- B. 70
- C. 56
- D. 64

20

Take a look at the sequence of figures and identify what comes next.



21

All living things, fish and plants included, use oxygen in a process known as aerobic respiration. In this process, oxygen is used to break down food molecules to release energy, which is in turn used to carry out all living processes. Think eating, growing, swimming, the works. The oxygen in the water available to fish is called dissolved oxygen. Fish use gills to take oxygen from the water just as we use our lungs to take oxygen from the air. Thus, all fishes need gills to survive.

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

- A. Large fish tend to consume a greater total amount of oxygen compared to small fish.
- B. Most fish exchange gases like oxygen and carbon dioxide using gills that are protected under gill covers.
- C. Some fish are able to inhale oxygen from the atmosphere using labyrinth organs.
- D. At low temperatures, fish enter a state of near-hibernation, where they are able to survive with minimal metabolic activity.

22

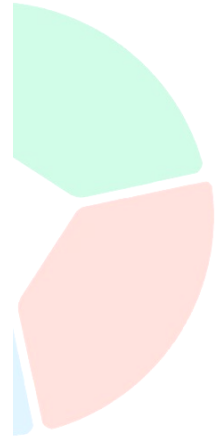
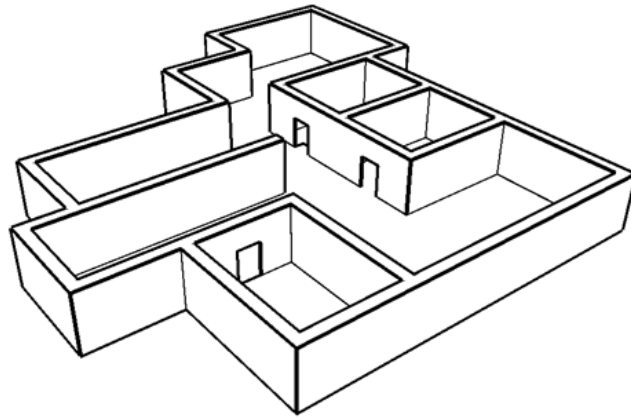
I want to purchase a Mathematics book. The book should have the topic of Algebra and activities. The shop will give me a 10% discount on some of the books. I only have \$15 to spend and I want to buy the cheapest one. The table below shows the books that I can choose from.

BOOK TITLE	COST (\$)	HAS ALGEBRA?	INCLUDES ACTIVITIES?	10% DISCOUNT AVAILABLE?
Introduction to Mathematics	10	Yes	Yes	Yes
Fundamentals of Math	15	No	Yes	No
Maths for High School	20	Yes	Yes	No
Advanced Maths	12	Yes	Yes	Yes

Which book should I buy?

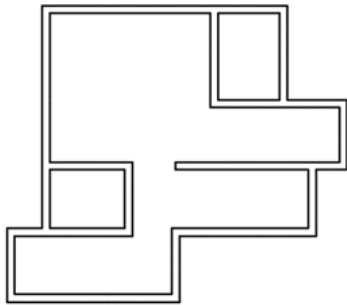
- A. Introduction to Mathematics
- B. Fundamentals of Math
- C. Maths for High School
- D. Advanced Maths

A view of a single level of a structure shown below:

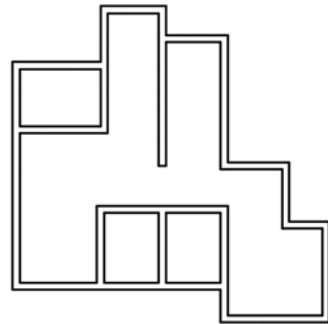


Which of the following drawings represents the floor plan for this building?

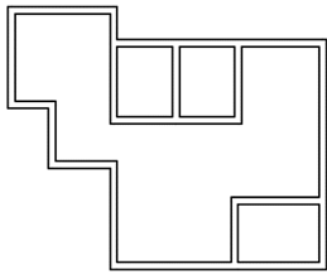
A.



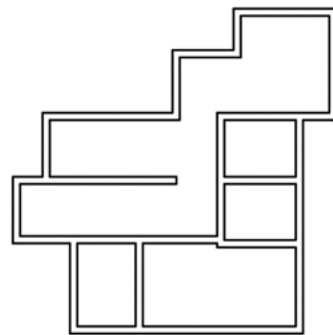
B.



C.



D.



24

It will not poison you to drink a liquid that is directly cooled by dry ice. At normal pressures, there may be some gaseous carbon dioxide dissolved in the liquid giving it a mild carbonation. However, dry ice can be dangerous to bare skin, mouth, or GI tissue if someone swallows medium to large pieces of dry ice. Small pieces are not poisonous but can produce an unpleasant popping or tingling sensation in the mouth. In a process similar to making liquid nitrogen ice cream, dry ice can even be used to make ice cream if it is crushed very finely.

Which best states the main conclusion of the passage?

- A. Do not place dry ice in airtight containers such as stoppered glass jars, bottles or other sealed containers as they could explode.
- B. Dry Ice is solid carbon dioxide frozen to -109 degrees. When added to liquids it creates a ghostly fog effect.
- C. Dry Ice begins to smoke immediately when put in liquid. It's great in a Halloween punch for that reason though the smoking only lasts 10-15 minutes-ish.
- D. Small portions of dry ice are not harmful to one's health. However, when taken in medium to large amounts, it can be dangerous to some parts of the body.

25

Three friends - Cathay, Bea, and Janet, were suspected of paying the wrong amount of tuition fee. When the registrar told them they would face suspension, they made the following statements:

Cathay: Bea is not guilty.

Bea: Janet is guilty.

Janet: I am guilty.

However, two are guilty, and one is lying. **Which of the following statements must be true?**

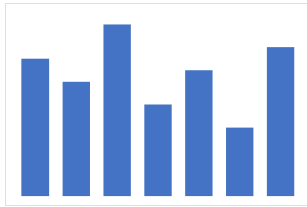
- A. Cathay is not guilty but lying.
- B. Bea is not guilty and telling the truth.
- C. Janet is guilty and lying.
- D. Cathay is guilty and lying.

26

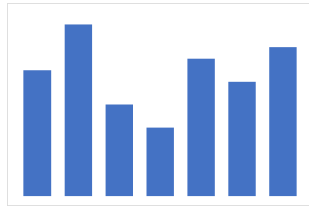
Shanon made a table for her sunblock sales for seven months. The data are shown in the table below.

MONTH	Jan	Mar	May	Jul	Sep	Oct	Dec
SALES	11	15	8	6	12	10	13

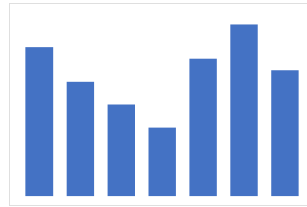
Which graph represents her sunblock sales?



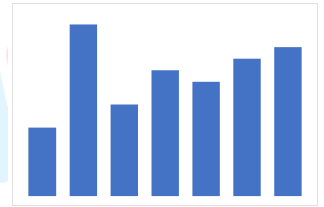
A



B



C



D

27

Roland wants to purchase a new set of school supplies while the mall still offers its promo. Shown on the table are the prices for each school supply and the amount paid with the promo.

SCHOOL SUPPLIES	PRICE	AMOUNT PAID
Pen	\$7	\$6.50
Ruler	\$5	\$4.40
Notebook	\$12	\$10.00
Eraser	\$9	-

The total amount he paid was \$29.

How many percent off was the eraser?

- A. 9%
- B. 8%
- C. 11%
- D. 10%

28 Facebook is for connecting with the people you went to school with and Twitter is for people you wished you had gone to school with. While Facebook is a multi-purpose social networking platform, allowing users to chat, post photos and notes, and play games, Twitter is built around the posting of short 140-character messages, or “tweets.” They are the two most popular social networks in the world. However, the result of the latest poll confirms that Facebook is better than Twitter since Facebook has the option to make the accounts private.

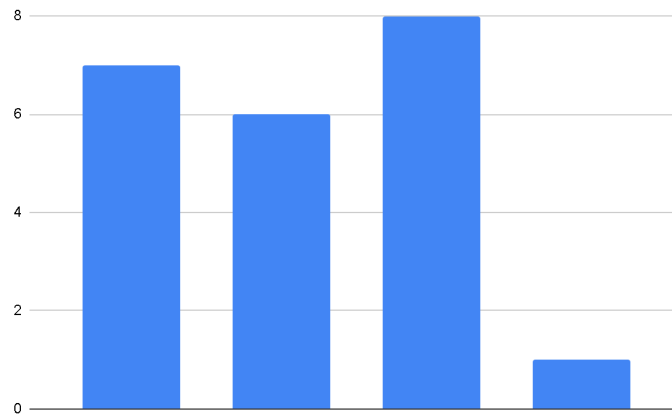
Which of the following statements, if true, best strengthens the above argument?

- A. Facebook is mainly used by individuals who wish to stay connected with, or reconnect with, people that they know offline.
- B. Facebook features ads. These adverts are often catered to the user, based on the preferences expressed in their profile.
- C. Facebook can be integrated into other websites, and Facebook login details can be used to access some other sites.
- D. Facebook is currently valued at \$104 billion.

29 Margot is craving a cheeseburger. She described what she wanted to her friends and asked their opinions about where she should get it from. She then listed the top four among her friends’ suggestions and asked her sisters to rate them. The table below shows the ratings of each of her sisters.

CHEESEBURGER STORE	MELANIE	MYLA	MEGHAN
Jollibee	7	6	1
McDonalds	6	1	7
KFC	8	4	3
Burger King	1	9	8

Whose bar chart is being presented?



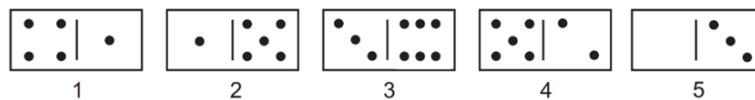
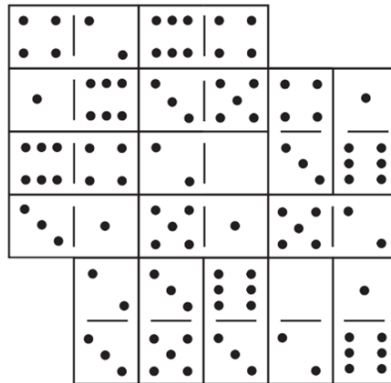
- A. Melanie
- B. Myla
- C. Meghan
- D. Margot

30 Animals are a large and incredibly diverse group of organisms. Making up about three-quarters of the species on Earth, they run the gamut from corals and jellyfish to ants, whales, elephants, and, of course, humans. Being mobile has given animals, which are capable of sensing and responding to their environment, the flexibility to adopt many different modes of feeding, defence, and reproduction. Unlike plants, however, animals are unable to manufacture their own food, and therefore, are always directly or indirectly dependent on plant life.

Which best states the main conclusion of the passage?

- A. Animal species comprise a large population. They are able to do various things such as run and adopt depending on their kinds.
- B. Animals are at the top of the food chain. They are all predators.
- C. The animals' ability to move about by the use of specialised muscle tissues is a hallmark of the animal world, though a few animals, primarily sponges, do not possess differentiated tissues.
- D. Some animals do not eat plants but other animals do. They are called carnivores and they mainly eat meat.

31 On a table, dominoes are to be arranged in a square, facing up, as shown below. New dominoes are placed so that neither of the numbers on them is placed next to the same number on another tile.



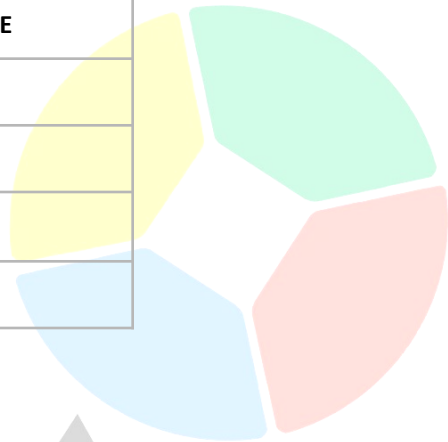
The dominoes numbered 1 – 5 shown above may be used only once.

Which of the two-domino combinations shown below will not complete the square?

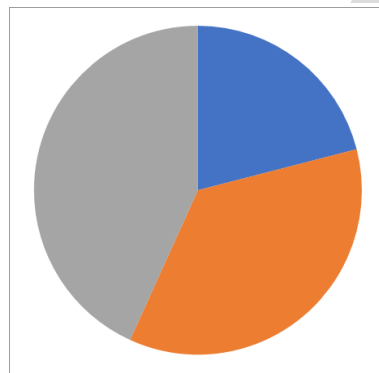
- A. 1 and 4
- B. 2 and 5
- C. 3 and 5
- D. 2 and 4

32 Ally was tasked to collect the scores of her groupmates and make a pie chart out of it. The table shows the data she collected.

NAME	SCORE
Christine	1.7
Cosette	2.9
Randolph	6.4
Mike	3.5



Whose data was missed based on the graph below?



- A. Christine
- B. Cosette
- C. Randolph
- D. Mike

33 Leslie wants to eat Korean-style fried chicken. The owner gave her four lists of flavours and she needed to choose only one from each list.

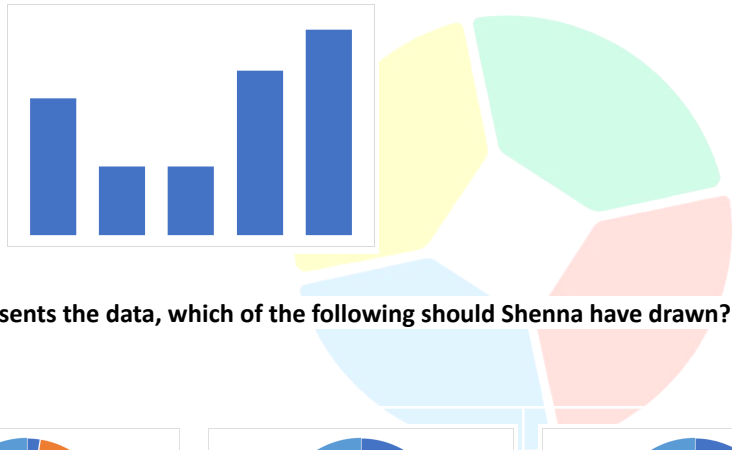
LIST 1	LIST 2	LIST 3	LIST 4
sweet soy	honey butter	padak	sunsal
garlic	cheese	spicy chilli	tongdak
yangnyeom	bbq	garlic	honey butter

Which of the following can she not choose if she already chose sweet soy, honey butter, and spicy chilli?

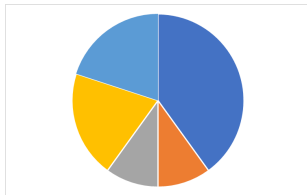
- A. garlic
- B. cheese
- C. bbq
- D. sunsal

34

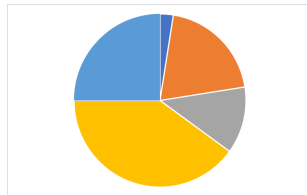
Shenna was asked to draw a pie chart for her report, but she drew the bar chart shown below.



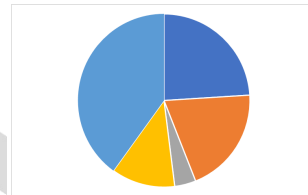
Assuming that her bar chart correctly represents the data, which of the following should Shenna have drawn?



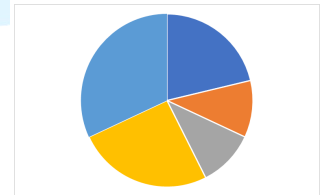
A



B



C



D

35

Yesterday, in the ocean park, I saw 3 handlers doing medical surveillance with their octopuses. Some of them did medical surveillance with only 1 octopus, and some of them did medical surveillance with 2 octopuses. Counting the tentacles of the octopus and the legs of the handler who performed the medical surveillance, there were a total of 46 combined legs of the handlers and tentacles of the octopuses. All octopuses have 8 tentacles and all handlers have 2 legs.

How many of the handlers performed medical surveillance with only 1 octopus?

- A. 3
- B. 2
- C. 1
- D. 0

36

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

If the message "APPLAUSE" is written as

01000011 01001111 01001111 01001101 01000011 01010000 01001100 01000100

What is the code for APPLE?

- A. 01000011 01001111 01001111 01001101 01000100
- B. 01000011 01001111 01000100 01001101 01000100
- C. 01000100 01001111 01001111 01001101 01000100
- D. 01000011 01001111 01001111 01001111 01000100

37 Male emperor penguins will not eat for up to four months, from the time they arrive at the colony to breed until the egg has hatched and the mother returns to feed. They lose almost half of their body weight during this time. They need to rely entirely on the reserve of body fat that they built up during the summer feast to survive the long winter. Thus, emperor penguins rely upon themselves to survive.

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

- A. The male penguin will balance the egg between his feet for about two months.
- B. The male penguin will not leave the egg to go eat — otherwise, the egg could freeze on the ice.
- C. Prior to fasting, penguins build up a fat layer, which provides energy.
- D. Female emperor penguins will lay one egg, and then go off into the ocean to hunt for food.

38 Aldrin wants to order bottled water from different brands for his science experiment. The vendor gave him four lists of brands and he needed to choose only one from each list.

LIST 1	LIST 2	LIST 3	LIST 4
Deep Spring	Zebia	Topo Chico	Hepburn
Vidae	Frantelle	Mount Franklin	Waterloo
VOSS Artesian	Vidae	Bubly	Frantelle

Which of the following can he not choose if he already chose Vidae, Mount Franklin, and Frantelle?

- A. Zebia
- B. Deep Spring
- C. Bubly
- D. Hepburn

39

Mariah Carey is an American singer, songwriter, actress, and record producer. Referred to as the "Songbird Supreme", she is noted for her five-octave vocal range, melismatic singing style, signature use of the whistle register and songwriting. For the enduring popularity of her holiday music, particularly the 1994 song "All I Want for Christmas Is You", she has also been dubbed the "Queen of Christmas".



Lilo: "I always play her songs during the Christmas season because I always hear them wherever I go."

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

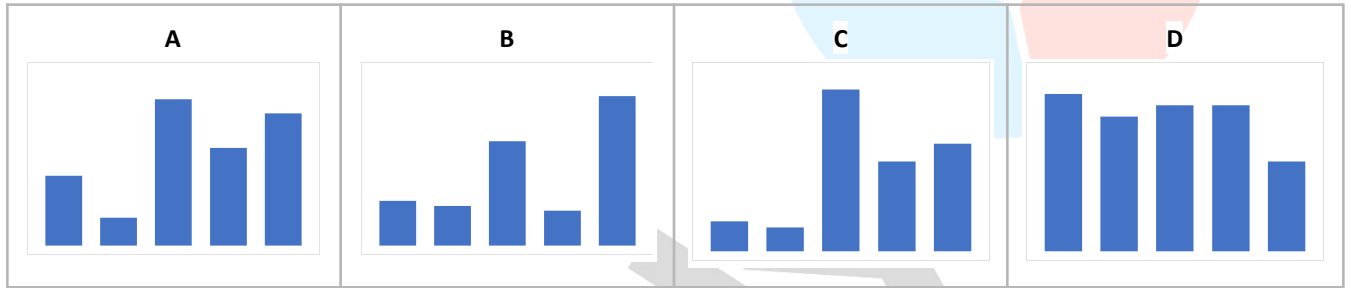
- A. Lilo shifts her attention to Mariah Carey's songs during Christmas.
- B. Lilo spends a lot purchasing Mariah Carey's songs, especially during Christmas.
- C. Lilo plays Mariah Carey's songs every Christmas because everybody does it.
- D. Lilo plays Mariah Carey's songs every Christmas because she is her idol.

40

The data below shows the number of people applying for a bank loan.

BANK LOAN	A	B	C	D	E
NUMBER OF APPLICANTS	15	20	29	16	31
NUMBER OF APPLICANTS DECLINED	5	16	8	2	12

Which graph represents the number of applicants approved?



Scholar