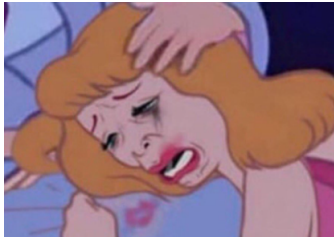


NO.	QUESTION
1	If Sandra reads her handouts, she will pass the exam. If the above statement is true, which of the following statements must also be true? A. If Sandra did not pass the exam, then she must not have read her handouts. B. If Sandra doesn't read her handouts, then she will definitely not pass the exam. C. Sandra will pass the exam only if she reads her handouts. D. Although Sandra doesn't read her handouts, she may still pass the exam.
2	Samsung Galaxy S22 Ultra and Apple iPhone14 Pro are both smartphones. All smartphones can send text messages. Most smartphones are wireless. Samsung Galaxy S22 Ultra and Apple iPhone14 Pro both take good pictures and are wireless. If the information in the box is true, whose reasoning is correct? Naomi: "If a phone is wireless, it must be a smartphone." Mia: "If a phone can send text messages, then it must be a smartphone." A. Naomi only B. Mia only C. Both Isabella and Naomi D. Neither Isabella nor Naomi
3	Taking the plunge to launch one's own business requires a certain amount of courage. To succeed, you will need to step outside of your comfort zone and experiment with <u>new things</u>. With that, people should start a business despite the large amount of work required and the degree of risk involved, since the potential for profits is great. Which of the following statements, if true, best strengthens the above argument? A. Taking a risk is vital because one can either gain rewards or learn insights from failure. B. Opening a business can help a person be comfortable with leaving his comfort zone. C. Trying out <u>new things</u> is beneficial because it's what helps people grow professionally. D. A person needs a lot of courage because it will help him conquer all things in life.

4

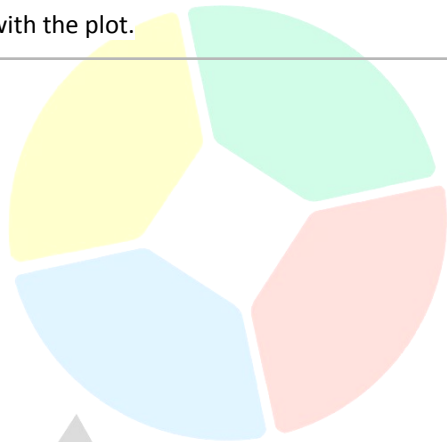
Tyla didn't eat her lunch for a month to save money. She made use of her savings to buy a limited-edition Twilight Midnight book. However, as she read the book, she was dissatisfied with the plot.



Tyla: "I need to finish reading this book because I saved up for this."

Which of the following sentences shows the mistake Tyla has made?

- A. Tyla brought up a highly irrelevant point to deviate her thoughts from the book's plot.
- B. Tyla let her emotions overpower her mind, which led her to believe that she needs to finish the book.
- C. Tyla, without evidence, assumed that the book would meet her expectations.
- D. Tyla illogically believes that continuing to read the book is justified given the cost she invested.



5

Thea wants to buy a new set of coloured pencils. Each set contains 12 coloured pencils. The table below shows the shops that sell coloured pencils and their corresponding prices.

SHOP	PRICE	PROMO
Shop A	\$25	Regular price for 12 coloured pencils
Shop B	\$2	15% off on the first five coloured pencils
Shop C	\$3	Buy 3, get 1 free
Shop D	\$2.50	20% off on the total bill

Which shop should she buy the coloured pencils from if she wants to spend as little as possible?

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

6	In a cosplay convention of 300 participants, 182 came dressed as anime characters and 93 had video channels where they posted cosplay tutorials. Which of the following must be true? A. 93 participants were both dressed as anime characters and had youtube channels. B. 118 participants came dressed as superhero characters. C. 89 participants who dressed as anime characters did not have a video channel. D. At least 25 individuals were neither dressed as anime characters nor had video channels with cosplay tutorials.
7	Learning exercises both the mind and the body. It exposes you to new experiences, educates your brain to solve problems, and keeps neural networks healthy. These components are beneficial to one's health. By educating yourself and trying new things, you'll realise you can adapt and develop, keeping you open to new opportunities. This is the reason why parents should require their children to learn new skills every month in order for them to be the best they can be, particularly in school. Which of the following statements, if true, best weakens the above argument? A. Teaching a child new skills every month would make him improve his academic skills. B. Forcing kids would make them exhausted, impairing their daily and academic performance. C. Kids who overwork and don't rest develop boredom with life. D. Children are too young to be trained and prepared for the trials and difficulties of life.
8	There are three chicken wing flavour variations on WingStop: Honey Mustard, Smokey BBQ, and Garlic Parmesan. Their manager, Kristelle, asked a total of 98 customers about their 2 most liked flavour variations. She found that: - People who like garlic parmesan do not like honey mustard. - All people who like smokey bbq also like garlic parmesan. - Most people who like honey mustard also like smokey bbq. - No customer liked all three flavours. If Abigail likes garlic parmesan, which of the following must be true? A. Abigail must also like honey mustard. B. Abigail might like the smokey bbq flavour. C. Abigail does not like any other flavour variation. D. Abigail likes all flavours.

9

Belle and Mercy want to use a code to send secret messages to each other. In the code, each letter of the alphabet is represented by a one-digit number as follows:

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
2	4	8	3	5	1	9	3	2	5	6	1	7	8	2	3	4	6	1	3	9	7	8	5	2	4

For example, the word BELL would be written in the code as 4-5-1-1.

To test the system, Mercy writes four words about the ocean in the code and sends them to Belle. Belle tries to decode them, and gets the following answers:

FISH
CLAM
KELP
TIDE

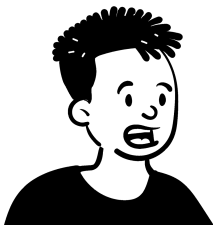
Belle is confident she has 3 of these words correct, but she is unsure about the other one.

Which word is Belle unsure about?

- A. FISH
- B. CLAM
- C. KELP
- D. TIDE

10

Dennis, the transferee student, doesn't have any friends yet. He is always alone. During his free time, he goes to the library to read books. When the list of honour students was released, he was ranked first place.



Mike: "He doesn't deserve to be the rank one because he's a loner and has not been here since the start of the school year."

Which of the following sentences show the mistake Mike has made?

- A. Mike shifted his focus to Dennis instead of focusing on his own grades.
- B. Mike incorrectly assumed, without evidence, that Denise was a loner.
- C. Mike brought up a non-existent rule about transferees not qualified to be the rank one to back his claim.
- D. Mike unjustly invalidated Dennis' efforts through an irrelevant personal attack.

11

Twitter is a microblogging service, which means that it is designed for sharing short text posts and audio and video clips. Twitter is widely used for real-time conversations due to the ease with which people can share information with millions of other users around the world. Twitter has been a part of the collective record for more than a decade, whether it involves individuals tweeting about their favourite sports teams or public figures using the platform to reach a large audience.

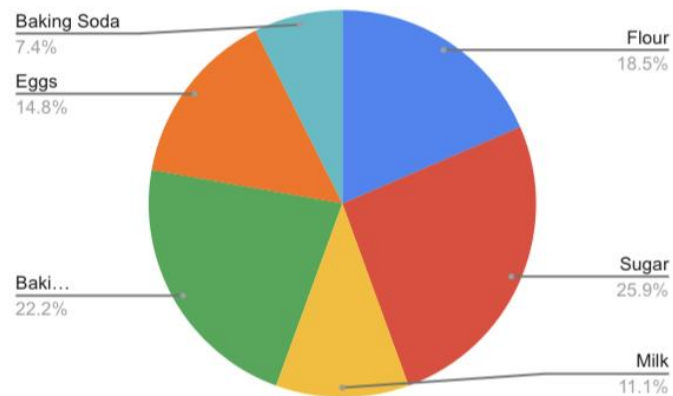
Which of the following best expresses the main conclusion of the argument?

- A. Twitter is a service used by millions of people for conversations and sharing information.
- B. Twitter enables users to express themselves by interacting with other users on the platform.
- C. Twitter is one of the most basic applications you can use for communicating with your loved ones.
- D. Twitter is better than any applications around the world since it is widely used.

12

Aya wants to bake a cake for grandfather's birthday. The list of ingredients and their corresponding prices are given in the table below.

INGREDIENT	SHOP A	SHOP B	SHOP C	SHOP D
Flour	\$4	\$3	\$6	\$5
Sugar	\$2	\$8	\$5	\$7
Milk	\$5	\$4	\$2	\$3
Baking Powder	\$4	\$1	\$8	\$6
Eggs	\$1	\$9	\$3	\$4
Baking Soda	\$10	\$5	\$4	\$2



Which shop is being represented by the pie chart?

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

13

Nelson wants to attend the Westlife Concert. The concert will be a nine-day concert: 1,2,3,5,7,8,9,10, and 11. The ticket prices are given below.

PASS FOR 1 DAY	PASS FOR 3 CONSECUTIVE DAYS	PASS FOR 5 CONSECUTIVE DAYS
\$100	\$300	\$450

Nelson wants to attend the concert for five days and spend as little as possible.

What days should he attend the concert?

A. 1,2,3,5,7
B. 3,5,7,8,9
C. 1,2,9,10,11
D. 7,8,9,10,11

14

Five friends living in the same house planned to have a night out. One by one, they used the bathroom to take a bath. The clues for the sequence of their turns are as follows:

- Gigi went after Sally.
- Krish went before Gigi and Sally.
- Michelle is the second user.
- Ness went before Michelle.

Who is the fourth bathroom user?

A. Michelle
B. Sally
C. Krish
D. Ness

15

Oliver wants to build his own restaurant. Building a restaurant requires a huge amount of money and business permits. To acquire business permits, money is needed. If a person does not have enough money, he or she is allowed to borrow from a bank as long as the person's monthly salary or income is at least 12.5% of the amount he is borrowing. A person would only have a salary or income if he or she either works or already owns a business.

If the information above is true, whose reasoning is correct?

Marissa: "All people who are working want to build their own business."
Roldan: "If I want to build my own business, I need a huge amount of money."

A. Marissa only
B. Roldan only
C. Both Marissa and Roldan
D. Neither Marissa nor Roldan

16

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 another word when placed in front of the letters on the right. The letters placed in the brackets must produce an eight-letter word when read downwards in pairs.

HE (_ _) LY

HO (_ _) AR

AU (_ _) NK

CO (_ _) CH

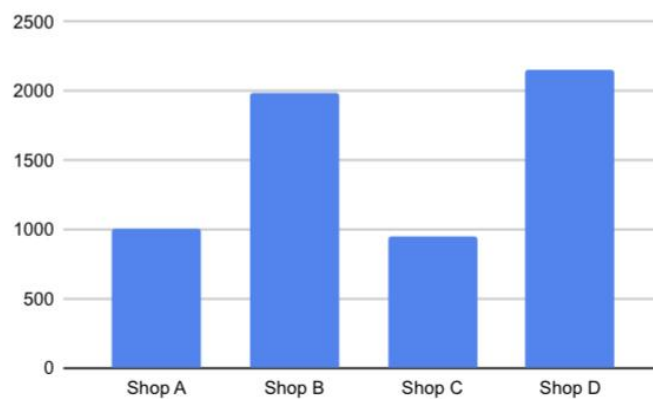
What word can be formed?

- A. ARGUMENT
- B. RESTRAIN
- C. ROASTERS
- D. MATERIAL



17

Rolly, a fisherman, wants to sell his fishes for an affordable price. Four fish markets offered their prices to him. Shown in the table below are their offers.



His total expenses was \$1,800 and he wants his profit to be 10% of his total expenses.

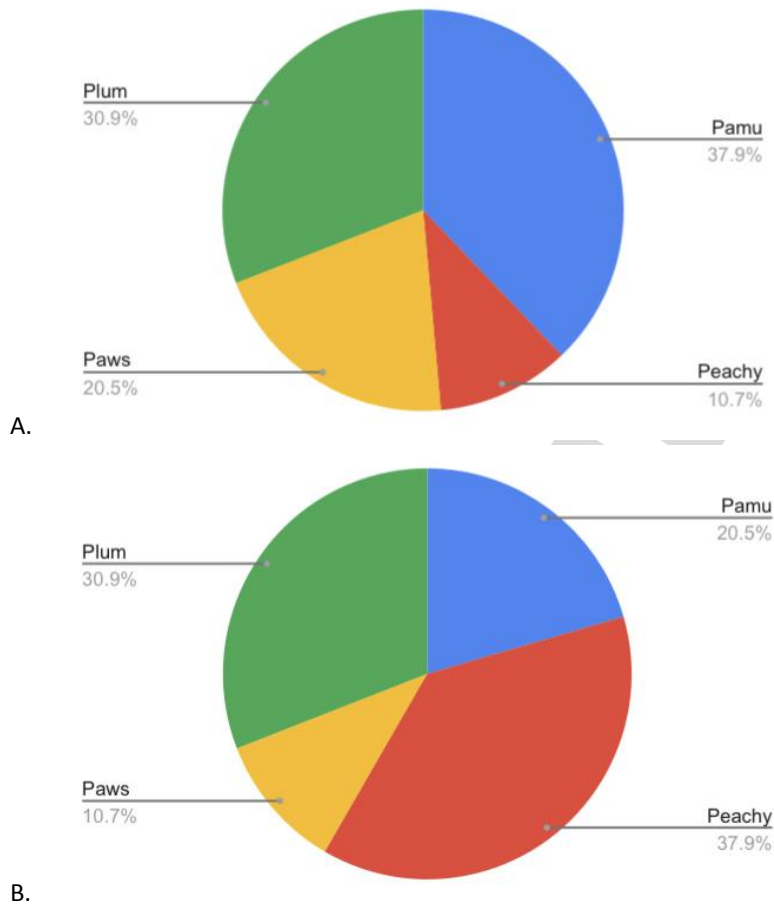
Which shop should he sell his fish to?

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

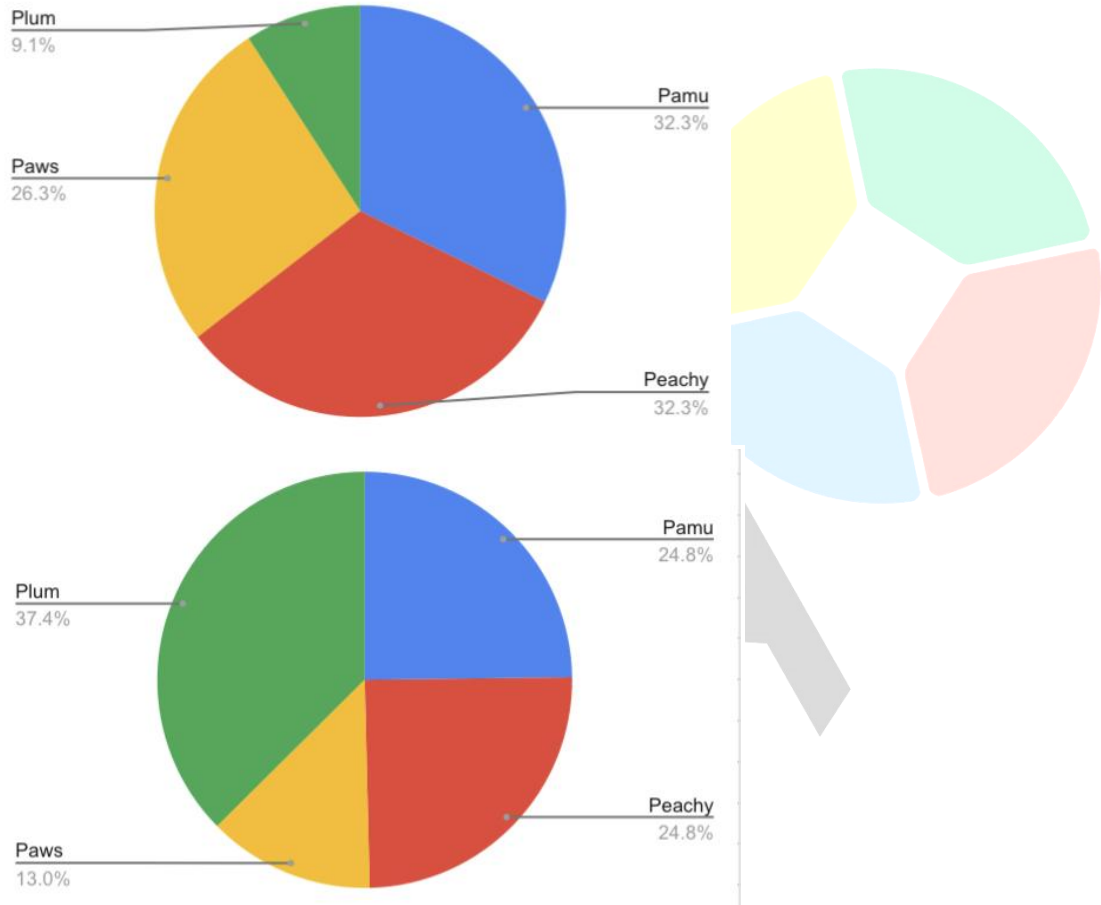
Elsa feeds her dogs according to their weights. The table below shows the weights of her dogs.

DOG NAME	WEIGHT
Pamu	65 lbs
Peachy	120 lbs
Paws	34 lbs
Plum	98 lbs

Which pie chart represents her allocations for her dogs' foods?



C.



D.

19

Mica's grandmother will be celebrating her birthday next week. Therefore, she prepared the decorations and music for the upcoming event and showed her ideas to her family members. Mica is one who always goes for what's trendy to keep the atmosphere fresh. This preference is apparent in her initial preparations.

Her cousins, Lucy and Louie, had something to say.



Lucy: "Why did they allow her to be the organiser?"

Louie: "Indeed. She might make everything modernised causing the old ones to just go home and never attend any of our future parties. Also, they might not accept us as family members ever again."

Which of the following sentences show the mistake Louie has made?

- A. Louie incorrectly concluded a series of events just by knowing Mica's theme for the party.
- B. Louie generalised the outcome of the party just by knowing Mica's chosen theme.
- C. Louie chose to personally attack Mica instead of logically evaluating her chosen theme.
- D. Louie is arguing from a place of anger and jealousy.

20	Friendships affect health and well-being. Good buddies are healthy. Friends help celebrate good times and support you in bad. Friends prevent isolation and loneliness and provide you company. Strong social relationships minimise the incidence of depression, high blood pressure, and obesity (BMI). Studies show that older persons with meaningful relationships and social support live longer than those without. Which of the following best expresses the main conclusion of the argument? A. Social support and meaningful ties help people live longer because they minimise the risk of health disorders. B. There are a lot of ways to minimise the chances of getting sick and having friends is one way. C. Older people can find friends easier than youngsters because they socialise better as they have already learned the proper way of socialising through the years. D. To cultivate meaningful friendships, being a good listener is important because, oftentimes, the most interesting people we meet are those who ask questions and listen well.																																																				
21	Shandee won first place in a singing contest, so her mom will give her a prize. She was given four lists, and she needed to choose only one from each list. <table><tr><th>LIST 1</th><th>LIST 2</th><th>LIST 3</th><th>LIST 4</th></tr><tr><td>chocolate</td><td>ice cream</td><td>bubble gum</td><td>candy</td></tr><tr><td>fruit</td><td>biscuit</td><td>gummy bear</td><td>ice cream</td></tr><tr><td>candy</td><td>gummy bear</td><td>lollipop</td><td>bubble gum</td></tr></table> Which of the following can she not choose if she already picked chocolate, ice cream, and lollipop? A. fruit B. candy C. bubble gum D. biscuit	LIST 1	LIST 2	LIST 3	LIST 4	chocolate	ice cream	bubble gum	candy	fruit	biscuit	gummy bear	ice cream	candy	gummy bear	lollipop	bubble gum																																				
LIST 1	LIST 2	LIST 3	LIST 4																																																		
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candy	gummy bear	lollipop	bubble gum																																																		
22	Agatha and Frances want to use a code to send secret messages to each other. In the code, each letter of the alphabet is represented by a one-digit number, as follows: <table><tr><td>A</td><td>B</td><td>C</td><td>D</td><td>E</td><td>F</td><td>G</td><td>H</td><td>I</td><td>J</td><td>K</td><td>L</td><td>M</td><td>N</td><td>O</td><td>P</td><td>Q</td><td>R</td><td>S</td><td>T</td><td>U</td><td>V</td><td>W</td><td>X</td><td>Y</td><td>Z</td></tr><tr><td>2</td><td>4</td><td>8</td><td>3</td><td>2</td><td>1</td><td>9</td><td>3</td><td>9</td><td>5</td><td>6</td><td>3</td><td>7</td><td>8</td><td>2</td><td>3</td><td>4</td><td>6</td><td>6</td><td>3</td><td>9</td><td>7</td><td>8</td><td>5</td><td>2</td><td>4</td></tr></table> For example, the word BELL would be written in the code as 4-2-3-3. To test the system, Frances writes four words about the parts of the body in the code and sends them to Agatha. Agatha tries to decode them, and gets the following answers: NECK FACE LEGS SKIN Agatha is confident she has 3 of these words correct, but she is unsure about the other one. Which word is Agatha unsure about? A. NECK B. FACE C. LEGS D. SKIN	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	2	4	8	3	2	1	9	3	9	5	6	3	7	8	2	3	4	6	6	3	9	7	8	5	2	4
A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z																												
2	4	8	3	2	1	9	3	9	5	6	3	7	8	2	3	4	6	6	3	9	7	8	5	2	4																												

23

Restaurants provide a more comfortable dining environment, and their food is tastier than home-cooked meals. In addition, dining in restaurants is a great way to socialise with friends. The work will be less tedious since the food will instantly be ready.

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

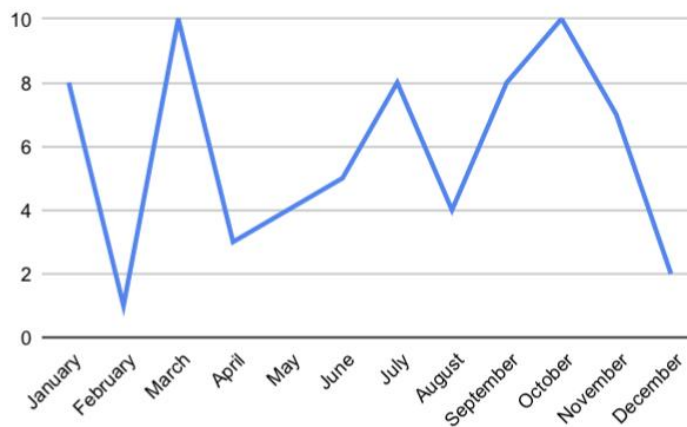
- A. Home-cooked meals taste better than restaurant-cooked meals.
- B. Tiresome cooking can be avoided by going to restaurants with ready-to-eat foods.
- C. People can still socialise with friends while cooking together at home.
- D. People may or may not prefer eating in restaurants.

24

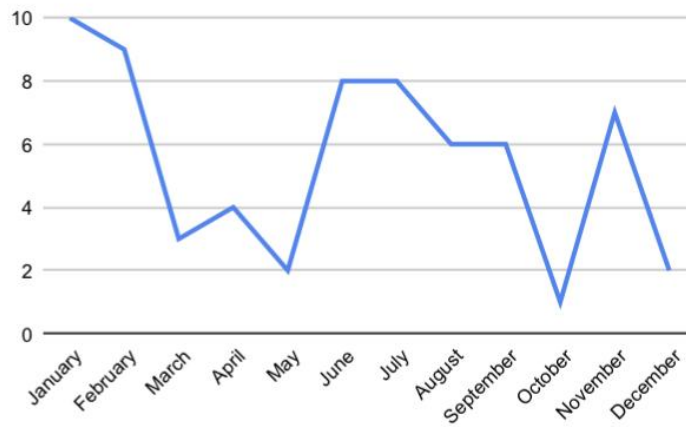
Aladdin was offered a lamp by a genie. The genie grants a different number of wishes per month. The table below shows the number of wishes each month.

MONTH	NUMBER OF WISHES
January	5
February	8
March	7
April	10
May	1
June	3
July	4
August	4
September	5
October	8
November	6
December	3

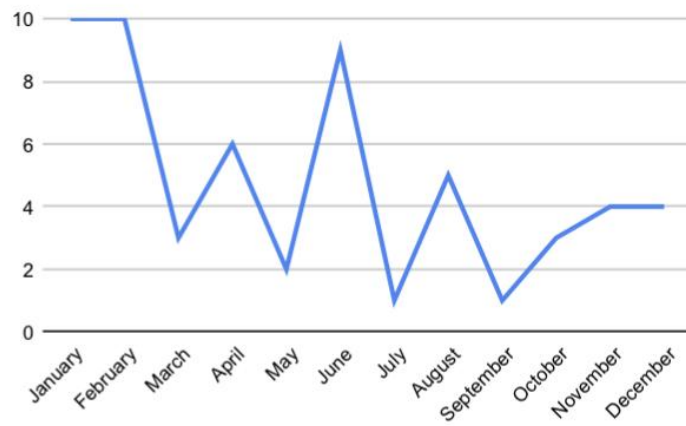
Which of the following line graph best represents the data above?



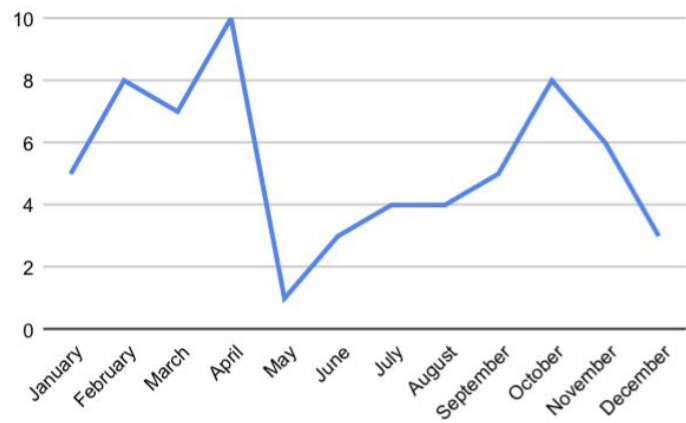
A.



B.



C.



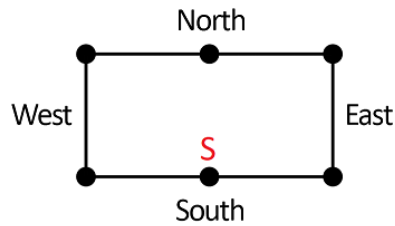
D.



25	The mall has a fountain display that is turned on from 6:00 AM to 6:00 PM on a regular day. When it undergoes maintenance checks, the fountain display is turned off. Luke and Jay often walk by the fountain on their way to work. If the information in the box is true, whose reasoning is correct? Luke: "I did not see the fountain display turned on earlier, it must have been undergoing maintenance checks." Jay: "The fountain display is turned on for 12 hours on a regular day." A. Luke only B. Jay only C. Both Luke and Jay D. Neither Luke nor Jay
26	Masaki is walking around the neighbourhood. He moved a distance of 75 metres towards the north. He then turned to his left and walked for 25 metres, turned to his left again and walked 80 metres. Finally, he turned to his right at an angle of 45° to the right and walked 80 metres. In which direction did Masaki stop? A. Northeast B. Northwest C. South D. Southwest
27	When Amy has to prepare for an exam, she studies at the library the day before the quiz. Whenever Amy finishes studying at the library, she buys iced coffee. Whenever she buys iced coffee, Amy is happy. If the information in the box is true, whose reasoning is correct? Anna: "Amy is happy, so she must have been preparing for an exam tomorrow." Alex: "Amy did not study at the library today, she must not have had to prepare for an exam tomorrow." A. Anna only B. Alex only C. Both Anna and Alex D. Neither Anna nor Alex

28

In order to prevent litter, a city park is surrounded by rubbish bins. Some city council members favour steel rubbish bins, while others favour rubber. However, both kinds are present at the borders of the park. One rubbish bin, either rubber or steel, is present at each point in the following diagram of the park:



The type of rubbish bin that is present at each of the six points is governed by the following conditions:

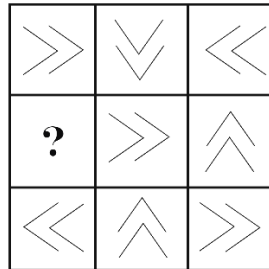
1. Each steel rubbish bin must be adjacent to at least one other steel rubbish bin.
2. Rubber rubbish bins cannot have steel rubbish bins on both sides of them.
3. The rubbish bin in the southwest corner is rubber.
4. The rubbish bin in the middle of the north side is steel.
5. At least two rubbish bins on the corners must be rubber.
6. A rubber rubbish bin on a corner of the park must be adjacent to another rubber rubbish bin.

If the rubbish bin in the middle of the south side is steel, what type of bin would be in the northeast side?

- A. Steel
- B. Rubber
- C. Rubber/Steel
- D. None of the above.

29

Fill in the missing place



A



B



C



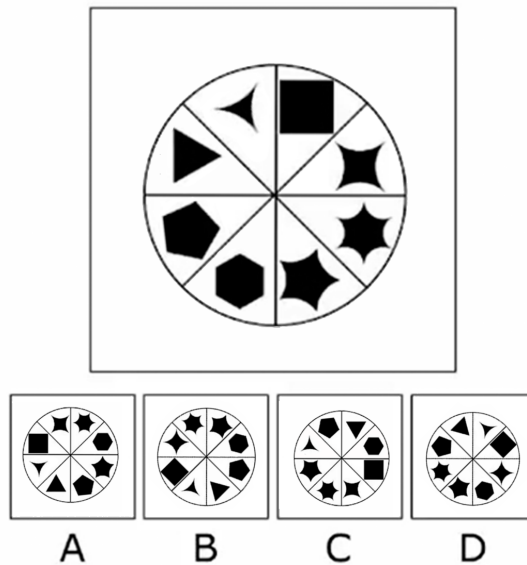
D



E

30

Which figure is a rotation of the given object?



31

Arabica and Robusta are both famous coffee beans. All famous coffee beans contain caffeine. Most coffee beans are grown in Brazil. Both Arabica and Robusta beans are grown in Brazil and contain caffeine.

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

Dale: "If it is grown in Brazil, it must be a coffee bean."

John: "If it contains caffeine, then it must be a coffee bean."

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

32

Ron's bakery recently got commissioned to supply cupcakes for a birthday party. He needed to make 35 vanilla cupcakes, 25 chocolate cupcakes, 50 coffee cupcakes, and 10 peanut butter cupcakes.

However, he can only make one flavour at a time, in batches of 13. Thus, he could bake one batch of peanut butter cupcakes, but three of them would not be used.

How many cupcakes in total will not be used for the party?

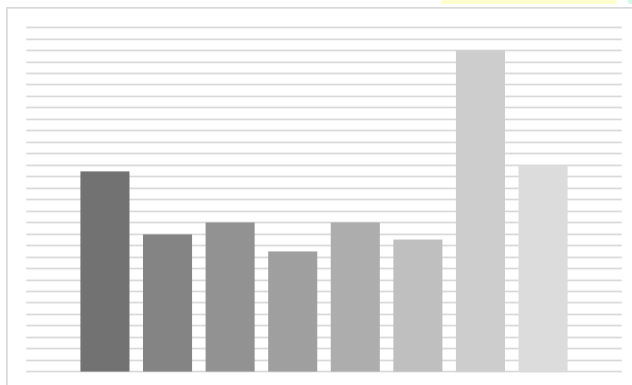
- A. 13 cupcakes
- B. 10 cupcakes
- C. 15 cupcakes
- D. 9 cupcakes

33

There are eight students who donated to charity work organised by their school. The amounts in the table below show the amount donated by each student.

Jerry	\$ 175.00	Goofy	\$ 120.00	Maui	\$ 130.00	Vince	\$ 280.00
Cain	\$ 105.00	Ray	\$ 135.00	Brie	\$ 115.00	Odin	\$ 180.00

The teacher made a chart to show the amount of money donated by each student.



One of the amounts was incorrect on the chart. **Which among the students was incorrect on the chart?**

- A. Ray
- B. Jerry
- C. Mau
- D. Brie

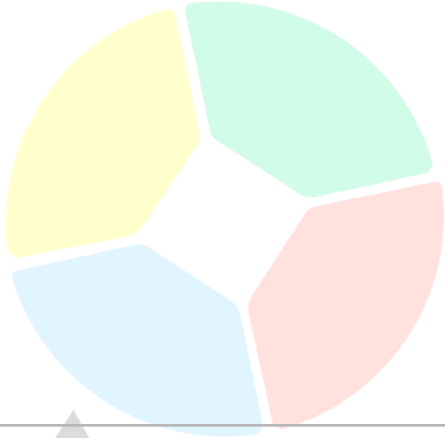
34

Kent and his classmates went to a theme park after the last day of class.

- Everyone who went on the Ferris wheel also went on the rollercoaster.
- Some classmates who went on log rides also went on the Ferris wheel.
- Most classmates only went on the rollercoaster and nothing else.

Which of the following statements must be true?

- A. Kent went on a log ride, so he must have been on the rollercoaster too.
- B. Kent was on the rollercoaster, so he definitely must have been on the Ferris wheel too.
- C. Kevin must not have gone on the log ride because he was on the rollercoaster.
- D. Kevin was on the Ferris wheel so he was also on the rollercoaster.

35	Last month, five friends entered a marathon for charity. • Edward finished in 4 hours and 40 minutes. • Mark finished half an hour before Edward. • Elle finished two minutes later than Edward. • Sally was ahead of Mark by five minutes. • Alex was faster than 3 of her friends. Who among the friends finished third? A. Alex B. Elle C. Mark D. Edward 
36	Charles and Terry each won 40 yoghurt cups in an office trivia competition. However, their friend Jake could not participate and Charles thought it might be a good gesture to give him some yoghurt. Terry is hesitant, so Charles suggests they roll a dice. • If it is an even number, Charles will give Terry yoghurt cups twice the number shown on the dice. • If it is an odd number, Terry gives Jake and Charles 6 cups each. Charles rolls a two. Terry rolls a three. How many yoghurt cups does Terry have at the end? A. 32 cups B. 42 cups C. 34 cups D. 28 cups
37	Minnie decided to donate her book collection to the school's reading club. Minnie has so many books, she can only take a portion to school every day. On the first day, she took 40% of her book collection and put it on an empty classroom shelf. By the end of the day, half of the books on the shelf have been taken. On the second day, Minnie took another 40% of the original collection to school. During this day, two-thirds of the books on the shelf have been taken. On the third day, Minnie brought the remaining books from her collection and there were now 50 books on the classroom shelf. How many books did Minnie have in her original collection? A. 125 books B. 250 books C. 335 books D. 400 books

38	All surgeries are invasive procedures. Most surgeries are performed in a sterile environment. Most laboratory experiments are performed in a sterile environment. All surgeries and laboratory experiments have to follow strict procedures. If the information in the box is true, whose reasoning is correct? Erik: "If you have to follow strict procedures, you must be performing surgery." Charles: "All surgeries are laboratory experiments." A. Erik only B. Charles only C. Both Erik and Charles D. Neither Erik nor Charles
39	Whenever it rains, Po tries to make soup. When Po makes soup, there is always a pile of dishes in the sink afterwards. If the information in the box is true, whose reasoning is correct? Edgar: "There is a pile of dishes in the sink- it must have rained earlier." Allan: "Po will definitely make soup tomorrow if it rains." A. Edgar only B. Allan only C. Both Edgar and Allan D. Neither Edgar nor Allan
40	Gaia is in the French club. Every member of the French club will go on a field trip to Paris next month. If you do not go on a field trip to Paris, you cannot climb the Eiffel Tower. Gaia wants to climb the Eiffel Tower with Emil, but Emil says he cannot climb it. Which of the following statements must be true? A. Emil is not a member of the French club. B. If Emil was a member of the French club, then he would be able to climb the Eiffel Tower. C. Emil will not be part of the field trip to Paris. D. None of the above