NO.	QUESTION
1	Whenever Denise pays close attention to the class discussion, she will find the assessment easy. **If the above statement is true, which of the following statements must also be true?** A. If Denise finds the assessment easy, she will pay close attention to the class discussion. B. Denise only finds the assessment easy when she pays close attention to the class discussion. C. If Denise does not pay close attention to the class discussion, she will not find the assessment easy. D. Denise surely will find the assessment easy if she pays close attention to the class discussion.
2	There are no other flowers found in Liza's garden but lilies. Lilies are flowering plants. Most lilies grow from a bulb, which in some lilies develops into a rhizome, which carries small bulbs. **If the information in the box is true, whose reasoning is correct?** Jonas: "If a plant has a bulb and it is found in Liza's garden, it surely is a lily." Nick: "If a flower has a bulb and it is found in Liza's garden, then that flower is a lily." A. Jonas only B. Nick only C. Both Jonas and Nick D. Neither Jonas nor Nick
3	Julius wants to learn to play the guitar. In order for him to learn to play the guitar, he needs enough practice to learn the basic skills of playing the guitar such as strumming and plucking. To acquire these skills, he must enrol in guitar lessons to learn from other guitar players. One of the schools that teach these guitar lessons is Salonga Music School. **If the information in the box is true, whose reasoning is correct?**

Ronald: "If Julius has enrolled in Salonga Music School, he will be able to play the guitar."

Lorelei: "If Julius can now play the guitar, he must have enrolled in Salonga Music School."

A. Ronald Only

B. Lorelei only

C. Both Ronald and Lorelei

D. Neither Ronald nor Lorelei

4

Social media platforms unexpectedly have become one of the ways politicians market themselves to the public. Unless politicians promote themselves on Tiktok, they will not be popular. Whenever politicians are popular, their supporters increase. Some who promote themselves on Facebook do not result in an increase in supporters. All politicians, who promote themselves on Facebook, sought to spend less on promotional materials.

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

Krister: "Politicians who seek to save money from promotional materials should consider Facebook as their platform. "

Manny: "Jude, a city mayor candidate, became popular since he used Tiktok as his social media platform for his promotional."

A. Krister Only

B. Manny only

C. Both Krister and Manny

D. Neither Krister nor Manny

5

In a group of six people, two belong to the dance troupe.

Frahn: "It is Justin and Trisha."

Trisha: "It is Frahn and Justin."

Justin: "It is Trisha and Cherry."

Cherry: " It is Tom and Justin."

Tom: "It is Amber and Cherry."

Amber: "I prefer to be silent about the matter"

One person lied about both. Four people correctly named one person but incorrectly identified the other.

Which among the group belongs to the dance troupe?

A. Amber and Justin
B. Trisha and Amber
C. Frahn and Trisha
D. Justin and Cherry

6	In a game of Valorant, each character is made for specific roles. These characters can be good for only one specific role, multiple roles, or none at all.

In a game of Valorant, each character is made for specific roles. These characters can be good for only one specific role, multiple roles, or none at all.

Yoru is neither a good controller nor a good duelist.
Jett and Reyna are not good controllers.
Both Brim and Jett are good duelists.
Brim and Viper are good controllers.

Which of the following is true?

A. Jett is only a good duelist.
B. Yoru is a good duelist.
C. Reyna cannot be a good duelist.
D. Viper must be a good duelist.

7

In the new Robinsons Mall, six vacant store spaces will be used to open new stores by six companies: Fisher, Gondar, Huffle, Josie, Luxxe, and Morty. Each of the six companies will open exactly one new store in one of the spaces, numbered 1-6. No two companies can share individual store space. The stores will choose their store space based on the following rules:

Huffle must open a store space numbered higher than the one opened by Josie.

Luxxe's space number is lower than the space number of Gondar.

Huffle cannot use the fifth or the sixth store space.

Josie must open a store space numbered higher than the one opened by Fisher.

If Luxxe chooses a lower-numbered store space than Josie, then which of the following could be true?

    A. Fisher chooses store space 1.
    B. Luxxe chooses store space 3.
    C. Morty Chooses store space 4.
    D. Josie chooses store space 2.

| 8 | Five contestants in a declamation contest—Martin, Othello, Pin, Queen, and Susy—will give their speeches in front of a judging panel during five consecutive time slots, one contestant per time slot. Each contestant will give his/her speech exactly once. The order of the contestants must adhere to the following conditions: |

If Susy gives her speech first, Martin gives his speech last.

If Martin gives his speech second, Queen gives her speech first.

Martin does not give his speech first.

Pin gives his speech immediately after Othello gives his speech.

Othello can give his speech in any of the five-time slots EXCEPT?

    A. Second
    B. Third
    C. Fourth
    D. Fifth

| 9 | A survey has been conducted among year 5 students as to which animal superhero they would like to be if they are to be inside the Kungfu Panda world. The following results have been obtained: |

    I.   Some who want to be a Panda also want to be Tigress.

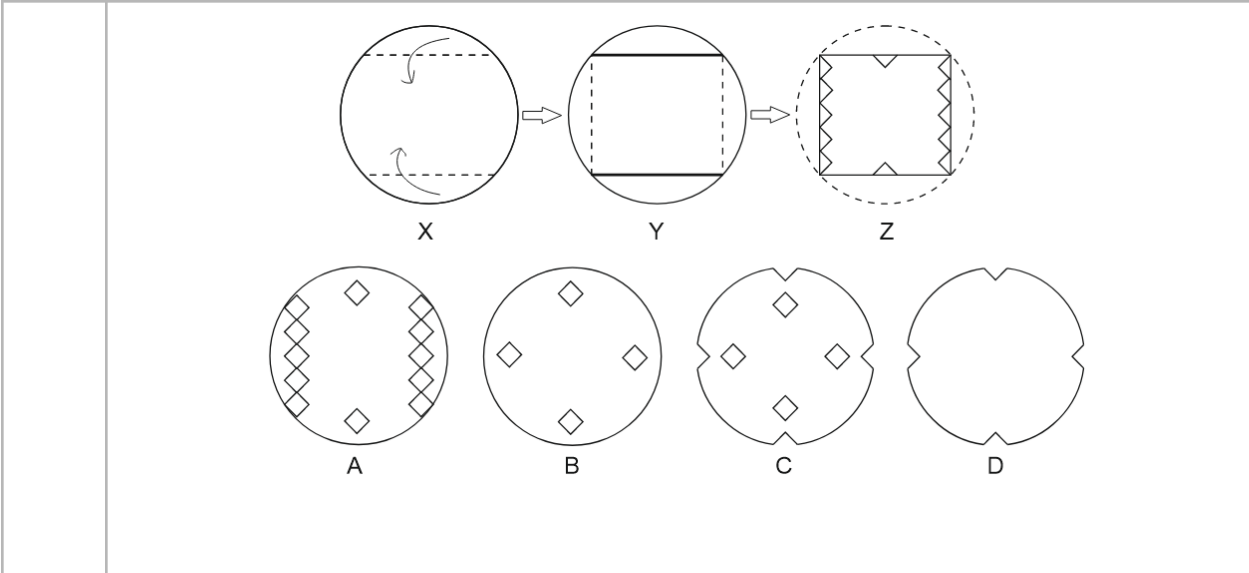|	
	II. All who want to be Mantis also want to be Tigress. III. None who wants to be Mantis wants to be Monkey. IV. No one who wants to become a Panda does not want to become a Monkey. The conclusions drawn from the survey are as follows: I. None who chose Tigress can be Monkey. II. All who chose Panda can be Monkey. **Which among the options below follows?** A. Only conclusion I follows. B. Only conclusion II follows. C. Both the conclusions follow. D. None of the conclusions follows.
10	In one year, five cows produced 10,500 litres of milk. Milk output grew by 50% in the second year compared to the prior year. The five cows produced 50% more again during the third year. How many litres of milk were produced over the course of three years? A. 15,750L B. 23,625L C. 28,675L D. 49,875L
11	Kids should learn how to save money because when a person has money, it lets them buy things that might be originally out of their price range. It also keeps them out of financial trouble and gives them independence. It is therefore important to teach a child how to save money because his savings and financial knowledge will help him come up with ideas that he can use to build a successful life. **Which of the following statements, if true, best strengthens the above argument?** A. Children should be taught about money early in life for them to comprehend complicated financial concepts. B. If a kid has saved money from a young age, he will have enough money to start a business,

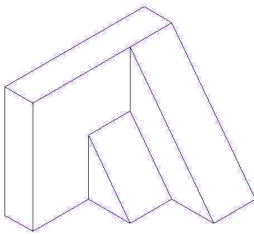|	
	which could then allow him to become financially stable in the future. C. When children have money, they tend to have a fun and easy life. D. Giving allowance to kids is important because it allows them to buy the food that they want in the school cafeteria.
12	Yakult is a sweetened probiotic milk beverage fermented with the Lactobacillus casei Shirota bacterium strain. It helps to avoid constipation, maintain good gut health, lower the risk of upper respiratory tract infections, reduce anxiety and stress, and improve general health, among other things. Doctors are requiring parents to make their kids drink Yakult everyday for them to have probiotics in their bodies. **Which of the following statements, if true, best strengthens the above argument?** A. It does not have to be Yakult because there are other foods and drinks that can give probiotics to children's bodies. B. Children love the taste of yakult, so it wouldn't be a problem for parents to make them drink one. C. Parents have the capability to add Yakult to their budget, especially if it's needed. D. Children require probiotics because they aid digestion and the immune system, making them less prone to diarrhoea and constipation, which are typical during potty training.
13	Cell phones are an excellent way to stay in touch with others while also providing a sense of security to the user. Most colleges, institutes, and schools now offer online education with appropriate study materials in the form of images, photos, text, pdf, and other formats for convenience. Cellphones are indeed useful and important that is why it is also important to always get the newest model of cellphone. **Which of the following statements, if true, best weakens the above argument?** A. Newer phones offer a larger and sharper display, which makes it easier for the user to read. B. Older phones have a shorter battery life compared to the newer ones since batteries degrade over time. C. As long as a phone provides you with the things you need, any phone should be good, whether it's the new or old model. D. Buying the latest phone is very expensive, and it could financially strain the parents.

14	Trees are very important because the roots hold the soil in place as it fights erosion that causes landslides. It also collects and stores rainwater, reducing runoff and silt accumulation after storms and aids in the recharge of groundwater supplies. However, trees also provide an ecosystem for pests, such as termites and rodents, which is why planting too many trees is not encouraged in the community. **Which of the following statements, if true, best weakens the above argument?** A. People should plant trees because even if there are pests in it, they won't cause too much harm to humans and there are a lot of pest-killing products available. B. Planting a tree is costly and you also have to spend a lot of money to maintain the tree. C. Big trees should not be allowed in communities because the roots of trees grow which can then interfere with things around the yard. D. Trees grow slowly, it can even take years so it wouldn't be a good idea to plant a tree if you want to boost the beauty of your yard.
15	It was a Monday morning and Henry was running late for school. His mom told him to eat quickly before leaving the house. Henry said he didn't have time for breakfast and will just eat lunch at school. His mom got mad and said, **Mom:** "What do you mean you don't have time to eat breakfast? If you don't eat breakfast, you won't be able to think and function well in class. After that, you can't answer your exams properly and when that happens, you won't have a diploma to get yourself a job and you'll end up penniless." **Which of the following best expresses the flaw in the above argument?** A. Henry's mom chose to focus on two extreme options when in fact he could have just allowed Henry to eat lunch at school. B. Henry thinks that not eating breakfast is not that bad because his classmates told him so. C. Henry's mom assumed that not eating breakfast would lead to a chain of future events with bad outcomes, even though there is no logical evidence to support the claim. D. She chose to invalidate Henry's argument about eating breakfast by attacking him personally and saying that he will become poor.
16	**Veronica:** "I am buying Zara shirts rather than thrifted ones because it's obvious that everyone wears Zara shirts because it is known for its high-quality fabric."

Which of the following best expresses the flaw in the argument above?

A. A lot of people know Zara because of the good quality of the fabrics they make.
B. Veronica is using only Zara shirts because she knows that she has already put so much effort into it.
C. Veronica thinks that buying from Zara is the best thing to do because other people agree with it and are also doing it.
D. Veronica made an incorrect conclusion about Zara and the quality of the clothes.

| 17 | Jacques and Andrei were talking about "Activity Day" when Jacques brought up Mark's opinion on the event. On Activity Day, students don't have to go to any academic classes because such a day is set aside for talent-enhancing sessions. Mark, quoting Jacques, said that activity days shouldn't be used because they take away time from students to study.

Andrei: "I don't believe anything that comes from Mark's mouth because he didn't even pass our pop quiz, so he doesn't have a right to talk about these things."

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

A. Andrei wanted to invalidate Mark's argument about Activity Day, so he chose to criticise him instead.
B. Andrei believes that his proposition about Activity Day is true because it has not been proven false.
C. Andrei thinks that Mark's action would lead to a chain of future events that could possibly affect Activity Day for students.
D. A word was used to confuse or mislead the reader about the main point of the argument regarding Activity Day. |

| 18 | Planting billions of trees throughout the globe is one of the largest and cheapest methods to remove CO_2 from the atmosphere and counteract climate change, according to scientists. A worldwide planting program could eliminate just under one-third of all human-caused emissions, according to new statistics.

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

|	
	A. Scientists' first calculation is that billions of trees need to be planted all over the world for people to breathe cleaner air. If this doesn't happen, emissions from people will remain.
	B. Planting billions of trees may eliminate 13 percent of human-caused emissions from the atmosphere, according to experts.
	C. Planting billions of trees is very cheap because a person can plant a tree with just $.050 and it would already contribute a lot to the environment.
	D. New data are constantly being discovered as to how human-caused emissions can be reduced in the atmosphere.
19	The scientific understanding of COVID-19 is rapidly changing, which makes public health recommendations about COVID-19 hard to follow. Every time there's new information announced by public health officials, some of the old knowledge is out of date and needs to be replaced. Due to this, there has been a rise in the number of people who don't trust the advice of public officials. **Which of the following best expresses the main conclusion of the argument?** A. Since COVID-19 information is constantly updated and replaced due to scientific progression, there is an increasing distrust of the advice of public health officials. B. People do not trust public health advice since it often changes, and they believe it is rigged and faked. C. COVID-19 is spreading at a fast pace and public health officials are constantly reminding people to wear masks and wash their hands. D. Public health officials failed to research more on the new facts.
20	Choose a figure which would most closely resemble the unfolded form of figure (Z)

X   Y   Z

A   B   C   D

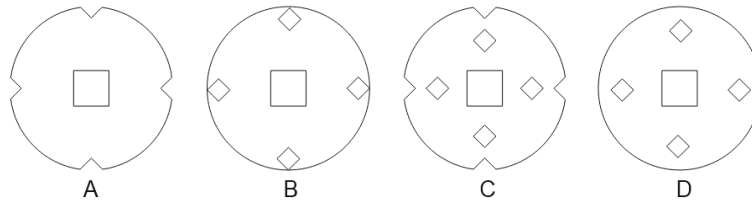21 | A piece of a puzzle is shown below-

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

a   b   c   d

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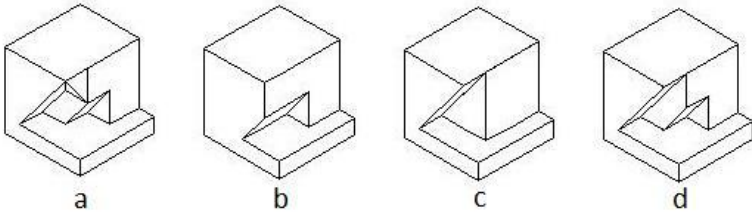
22 | Choose a figure which would most closely resemble the unfolded form of figure (Z)

A   B   C   D
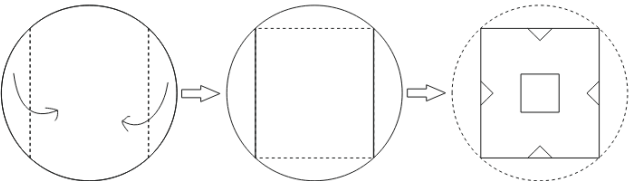
23	The image below shows the nutritional facts of Bear Brand Powdered Milk.

Nutrition Facts
80 servings per container
Serving size   1/3 cup (23g)
(Makes 1 cup prepared)

Amount per serving
Calories   **80**

% Daily Value*

Total Fat 0g	0%
Saturated Fat 0g	0%
Trans Fat 0g	
Cholesterol 5mg	2%
Sodium 125mg	5%
Total Carbohydrate 12g	4%
Dietary Fiber 0g	0%
Total Sugars 12g	
Includes 0g Added Sugars	0%
Protein 8g	16%
Vitamin D 3mcg	15%
Calcium 283mg	20%
Iron 0mg	0%
Potassium 392mg	8%
Vitamin A	15%

* The % Daily Value tells you how much a nutrient in a serving of food contributes to a daily diet. 2,000 calories a day is used for general nutrition advice.

If Simon consumed 588 grams of potassium by drinking Bear Brand Milk, which of the following options is also true?

A. She consumed 16 g of total carbohydrates.

B. She consumed 185.5 mg of sodium.

C. She consumed 34.5 g of powdered milk.

D. She consumed 10 g of Protein.

24	There are 12 students who are enrolled in a maths class. The class is divided into three grading periods, where there is an exam for each period. Their final grades will be based on the calculated average score of the three periodic exams. The grades shown in the table below are the students' grades for the three periodic exams.

| Student	1st Exam	2nd Exam	3rd Exam
Jake	7	6	8
Peralta	10	8	9
Amy	3	8	3
Santiago	6	7	5
Diaz	5	5	10
Hitchkuk	9	9	4
Scully	8	10	7
Marijim	4	4	6
Leni	7	6	8
Joel	10	8	9
Manny	8	8	7
Jay	9	9	5

If the perfect score for each exam is 10, what is the maximum passing score (should be a whole number) that the teacher should set in order to achieve a 75% passing rate?

A. 8

B. 7

C. 6

D. 5

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25 | Chamber collects stamps. Every month, she buys a new set of stamps. However, each month, she also uses some of them. She throws away her used stamps. The excess stamps she has for each month are carried over to the next month. The line graph below describes the number of Chamber's excess stamps from January to May. She started with 30 stamps before she started collecting in January.
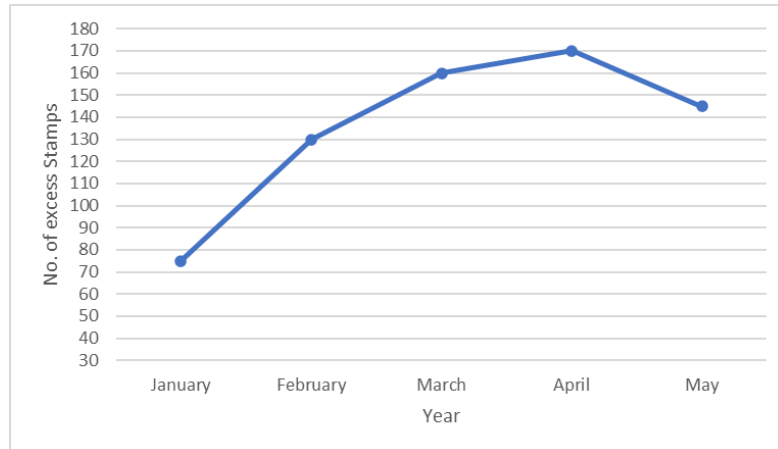
Which among the raw data below describes the line graph above?

A.

	January	February	March	April	May
No. of stamps bought	195	250	270	280	300
No. of stamps thrown away	155	195	245	270	325

B.

	January	February	March	April	May
No. of stamps bought	195	250	270	280	300
No. of stamps thrown away	150	195	245	270	325

C.

	January	February	March	April	May
No. of stamps bought	195	250	270	280	300
No. of stamps thrown away	150	195	240	270	325

D.

	January	February	March	April	May
No. of stamps bought	195	250	270	280	300
No. of stamps thrown away	150	195	245	270	330

26	PiChE is selling different merchandise to raise funds for the Chemical Engineering Department. The following design merchandise was released: Shirts, Shorts, Ballers, ID Lanyards, Tote Bags, Sling Bags, Ballpens, Pen Cases, Notebooks, and Tumblers. Each merchandise has three different variants, where each has different logos (three total logos). The bar graph below shows the number of merchandise sold. The table below shows the data of the number of merchandise sold for each given design, where some data are missing.
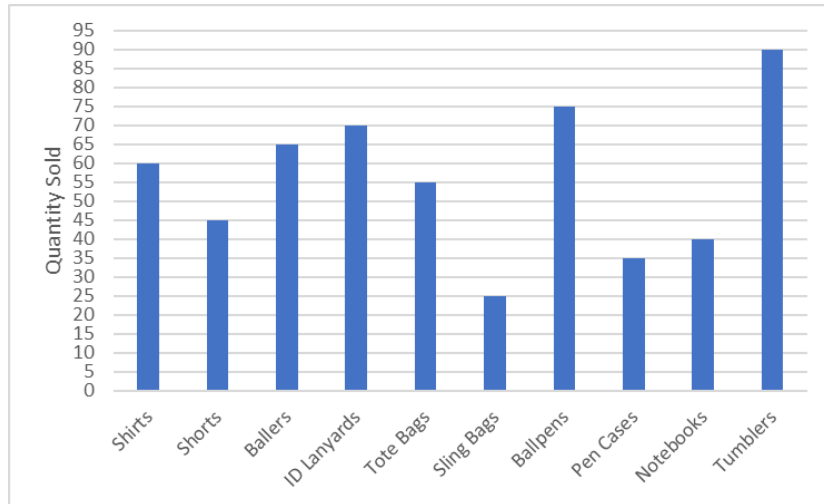
Design	Logo 1	Logo 2	Logo 3
Shirts		35	10
Shorts	10	10	
Ballers	12		40
ID Lanyards	10		25
Tote Bags		20	15
Sling Bags	15		8
Ballpens	31	14	
Pen Cases	10	5	
Notebooks	7		25
Tumblers		10	35

If the total number of merchandise sold is 560, how many have the 3rd Logo design on them?

A. 233

B. 235

C. 237

D. 239

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27   Almira would like to visit Mystery Island for a three-week vacation. The Malapascua beach, the Beast Safari, and the Sawi Cave are all popular tourist attractions on this island. Almira would like to spend four days in Sawi Cave. For Malapascua beach, she would like to spend time on the beach for eight straight days. She wants to visit the Beast Safari for nine straight days. However, she needs to take note of some dates when these establishments are closed. The schedule below shows the dates when these establishments are closed.

SUN	MON	TUE	WED	THURS	FRI	SAT
11	12	13	14	15	16	17
18	19 Sawi Cave Closed	20	21	22	23	24
25	26	27 Malapascua Beach Closed	28	29 Beast Safari Closed	30	31

The table below shows the ticket rates for each place on certain days.

	Place	Price
Saturday or Sunday	Sawi Cave	$10 per day
	Beast Safari	$14 per day
	Malapascua Beach	$16 per day
Tuesday or Thursday	Sawi Cave	$9 per day
	Beast Safari	$10 per day
	Malapascua Beach	$12 per day
Monday or Wednesday or Friday	Sawi Cave	$6 per day
	Beast Safari	$10 per day
	Malapascua Beach	$14 per day

How much is the cheapest amount that Almira will spend based on the given rates and conditions?

A. $236

B. $238

C. $240

D. $243

28   Danny, an orange vendor, would like to monitor how much of his orange supply stack up in the last five remaining months before the ber months. The graph below shows the number of unsold oranges for each month.
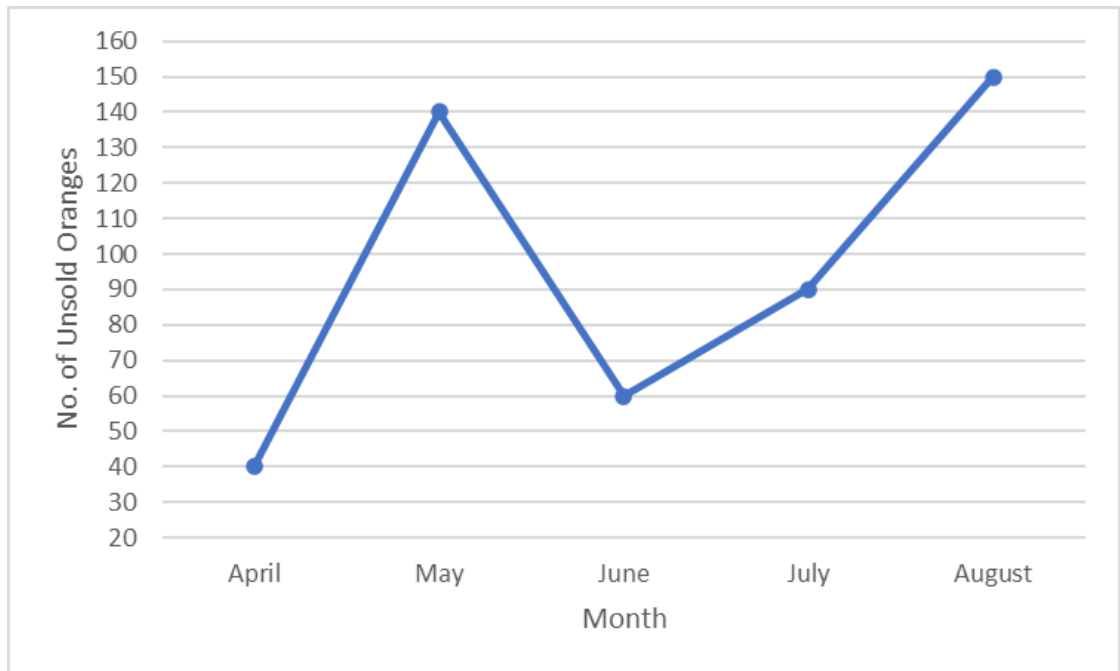
If he had 20 unsold oranges in the month of March, which table below shows the data of the number of oranges he orders to resupply and the number of oranges sold for each month?

A.

	April	May	June	July	August
No. of oranges ordered	200	300	170	230	250
No. of oranges sold	180	200	250	200	190

B.

	April	May	June	July	August
No. of oranges ordered	200	300	180	230	250
No. of oranges sold	180	200	250	200	190

C.

	April	May	June	July	August
No. of oranges ordered	200	300	170	230	250
No. of oranges sold	180	200	250	190	190

D.

	April	May	June	July	August
No. of oranges ordered	200	300	170	230	240
No. of oranges sold	180	200	250	200	190

29 | The image below shows the nutritional facts of Skittles.

If Maev is on a 2500 calorie diet and she consumes 5.6 oz of skittles, how much total carbohydrate (in grams) is left for her to consume to reach her daily total carbohydrate limit?
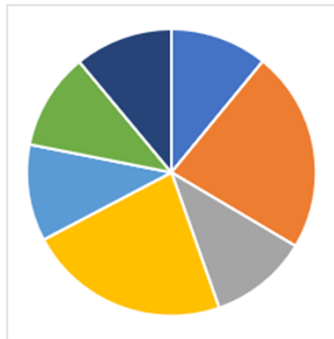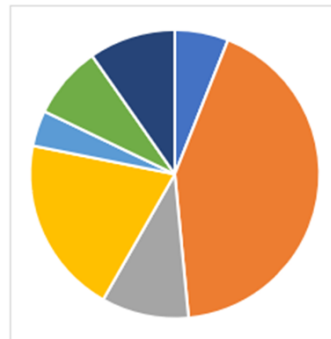

A. 156 g

B. 161 g

C. 231 g

D. 226 g

30 Chen, a music gear store owner, counted the number of supplies of microphones he had left. The table below shows the quantity of each type of microphone in his supplies.

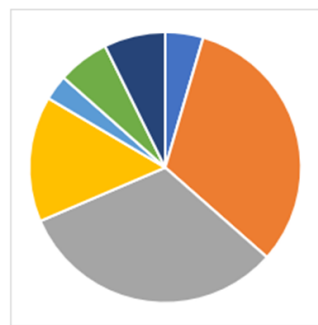| Microphone	Quantity
Razer Seiren Mini	75
Hyperx Solocast	531
BM800	122
Scarlett Focusrite	249
Maono Condenser	50
AT203050	102
Shure Sm7B	121

Which among the pie charts below best describes the given data set?

A.

B.

C.

D.