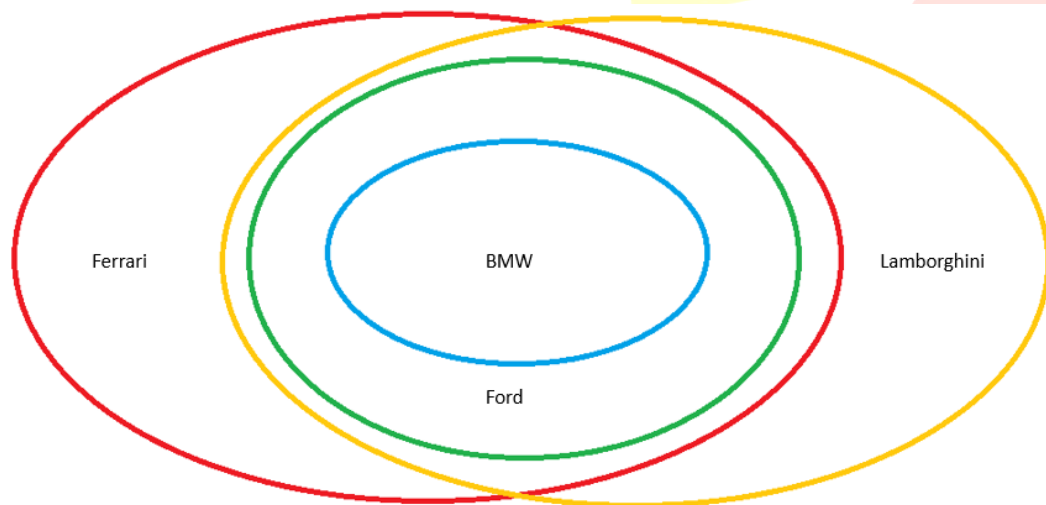| NO.	ANSWER
1	The statement in option C best expresses the main conclusion of the argument since it was able to talk about the significant details like how time management can help people finish tasks because when a person knows how to manage his or her time, he can focus more on the work being done which can then result in improved focus and prioritisation. **Option C is the correct answer.**
2	The main argument discusses the nature of catastrophizing and the benefits it gives to the people who constantly overthink about what might happen in the future. The best statement that weakens it is Option B because it points out that it is impossible to know all future events in our lives even if we overthink most of the time. It will only lead us to ineffective responses in future situations, which will not help people at all. Although Option C is a close answer, it is still incorrect because it only focuses on stress, which will prevent people from doing tasks they would otherwise enjoy or learn. It does not tie back to the idea of how catastrophizing allows us to prepare ourselves for bad situations in the future. Same with Option C, Option D is also incorrect because it only talks about the importance of having a positive outlook without attempting to prove why it is more important than always thinking about future events that may happen in people's lives. Option A strengthens the argument so it cannot be the answer. **Option B is the correct answer.**
3	The main argument talks about the importance of allowing college students to have the freedom to choose their college courses. By having the freedom, students can opt to study courses they are most interested in and excel. The best statement that weakens the argument is Option B because it points out that the planned programs of colleges are usually tailored to make students obtain the necessary skills for their majors and ensure that they will become successful in their chosen field. Option A is a close answer but it is still incorrect because it only highlights the possibility that students will choose easier courses, which did not entirely weaken the argument because students can still choose hard courses that they are interested in. Options C and D strengthen the argument so they cannot be the answer. **Option B is the correct answer.**
4	The most important points of the main argument are the benefits of having a morning shower such as increased blood circulation, more oxygen in our body, making our bodies active and helping us avoid stress at the start of our day. The statement in Option A was able to identify these points and was also able to determine and state the connections among these main points. It states that having morning showers gives us a lot of health benefits and makes us prepare ourselves for the activities we will do throughout the day. Option B is incorrect because it only mentions productivity and avoiding stress without pointing out other health benefits such as improved blood circulation. Option C is also incorrect because it mentions an idea not mentioned in the passage: having a good cup of coffee will also be a good partner for morning showers. Lastly, Option D is also incorrect because it only points out about becoming healthy and fit while also eating breakfast and exercising. **Option A is the correct answer.**
5	Option A best shows Scottie's mistake because he stated that mandatory military service training has been part of the educational curriculum in the past and it being a tradition justifies that the bill should be made into law at this time. This logical fallacy is an appeal to tradition wherein a point of view is supported because it has already happened in the past. An event in the past is not a solid justification for its effectiveness. Option B is incorrect because it is an appeal to the majority. There was no basis that the majority of the teenagers supported his idea. Option C cannot be the answer because Scottie did not justify his claim by providing a scenario where the audience has to choose between two extreme options. Lastly, Option D is not the answer because the logical flaw is not ad hominem. Scottie did not attack anyone during the open forum. **Option A is the correct answer.**

| 6 | Option A is the correct answer because Jeah makes the mistake of assuming that aiming for perfect attendance is the only way even if she has a lot of options to have a grade of 2.0 in the final term. She can study and perform well during quizzes, answer fluently during oral recitations, and also do her projects ahead of time. Option B is incorrect because the logical flaw is not an appeal to tradition as she did not justify her claim based on past events. Option C is also incorrect because Jeah did not establish a cause-and-effect relationship between the two events. Lastly, Option D is also incorrect because Jea did not mention anything about her father being a director at the university.

Option A is the correct answer. |
|---|---|

7	

Statements 1, 3, and 4 are logically related.

Option B is the correct answer.

8	

	LIE			CONDITION
IF NOT GUILTY	TRUTH			2 GUILTY 2 LYING
SOFIA	SOFIA	GERARD	GWYNETH	
GERARD	SOFIA	GERARD	GWYNETH	
GWYNETH	SOFIA	GERARD	GWYNETH	

Based on the table above, we can say that:

Sofia is not guilty but is lying.
Gerard is guilty but is telling the truth.
Gwyneth is guilty and is not telling the truth.

Another scenario that also meets the conditions is when:

Sofia is lying and guilty
Gerard is lying and guilty
Gwyneth is telling the truth and is not guilty

Among the choices, option C is not possible.

Option C is the correct answer.

9	It must be true that Black is the most liked colour because it was stated in the conditions that most students had black as one of their colours. Option B is incorrect because it was stated that none of the students who chose white chose blue so it is impossible for Bianca to choose both white and blue. Option C is also incorrect because it was stated that everyone who chose yellow also chose blue, making it impossible for Analyn to choose yellow only. **Option A is the correct answer.**
10	By filling up the tiles with missing figures according to the given rules, one can arrive at the answer as seen in the image below. Thus, the figure that replaces the question mark is a beach ball. **Option C is the correct answer.**
11	The first part of the code is the number of letters in a word deducted by 3. Example. CHARGE has 6 letters deducted by 3, hence, its first character in its code is 3. Likewise, HEALTHY has 7 letters deducted by 3, hence, its first character in its code is 4. The second character is the last letter of every word. Example: CHARGE's last letter is e. Thus, the second code must be e. Likewise, HEALTHY's last letter is Y, thus "y" is the second character of its code. The third part of the code corresponds to the first letter of the word and is coded according to the following: @ for words starting in consonant letters & for vowels Thus, the word HEALTHY has "@" as its third character in the code because it starts with the letter H, a consonant letter. HEALTHY is coded as 4y@. **Option A is the correct answer.**

| 12 | Listing the total sales of Iphones in 2021 and 2022,
$2021 \ = \ 18,000 \ units \ sold$
$2022 \ = \ 40,000 \ units \ sold$

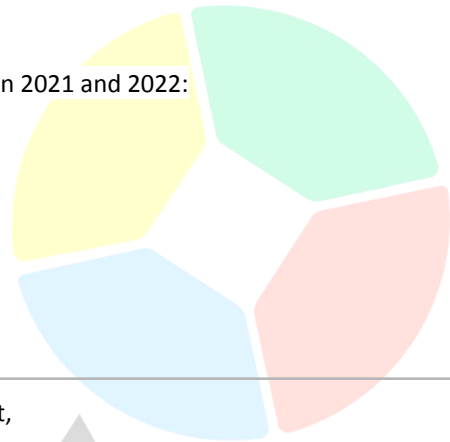To get the percentage increase, find first the amount increased between 2021 and 2022:
$40,000 \ units \ - \ 18,000 \ units \ = \ 22,000 \ units$

Divide the increment to the total units sold in 2021:
$22,000 \ / \ 18,000 \ = \ 1.22222 \times 100\% \ = \ 122.22 \% \ or \ 122\%.$
The percentage increase in sales from 2021 *to* 2022 *is* 122%.

Option C is the correct answer. |

| 13 | Listing all the possible combinations to know which one is the cheapest, |

	Combinations	Total Payment
Option 1	Pass for 3 days: 16, 17, 18 Pass for 1 day: 7 Pass for 1 day: 8 Pass for 1 day: 14 Pass for 1 day: 15	$215 + $125 + $125 + $125 + $125 = $715 Since three of them are going: $715 x 3 **= $2,145**
Option 2	Pass for 5 days: 14, 15, 16, 17, 18 Pass for 1 day: 7 Pass for 1 day: 8	$300 + $125 + $125 = $550 Since three of them are going: $550 x 3 **= $1,650**
Option 3	Pass for 3 days: 7, 8 Pass for 5 days:14, 15, 16, 17, 18	$215 + $300 = $515 Since three of them are going: $515 x 3 **= $1,545**

The cheapest valid combination is $1,545. **Option C is the correct answer.**

	Standard price for a pair of sandals	Special Offer	Total
Shop A	$70	No special offer	$70 x 16 = **$1,120**
Shop B	$85	Rent 8 pairs and get 50% off for the next 8 pairs	($85 x 8) + (85 x 8 x0.50) = **$1,020**
Shop C	$95	Rent 5 get 3 free	($95 x 5) + (95 x 5) = **$950**
Shop D	$105	20% off final price	$105 x 16 = $1,680 - $336 (20% discount) = **$1,344**

Shop C offers the cheapest among all the stores. **Option C is the correct answer.**

15

BODY - 2991, the possible letter combinations are as follows: B/C, D/O, D/O/V, S/Y
- BODY
- CODS

IDEA - 5943, the possible letter combinations are as follows: I/W, D/O, E/G/Q, A
- IDEA

DATA - 9373, the possible letter combinations are as follows: D/O/V, A, N/T/U, A
- DATA

GOAL - 4930, the possible letter combinations are as follows: E/G/Q, D/O, A, J/L
- GOAL

Therefore, Erica is unsure of the word BODY. **Option A is the correct answer.**

16

Stranger Things can only be found in List 1, while The 100 can be found in Lists 3 and 4 and Money Heist can be found in Lists 2 and 4. Snowflake Mountain, Hustle, and American Gangster can each be accommodated along with the other three choices. However, choosing The Umbrella Academy, which is also only found at List 1, would mean having to take Stranger Things away from the choices. Thus, Walter cannot watch The Umbrella Academy.

Option D is the correct answer.

17

The players who finished the Go-kart race from first to last are Ronaldo > Messi > Neymar> and Pogba. Suarez did not finish the race because he stumbled on the pathway and damaged his Go-Kart. Pogba finished fourth in the race because he cannot outrun Neymar and maintained his position as the last one in the final lap. Neymar was faster than Pogba but trailed behind Messi. Ronaldo is the fastest among the players. Therefore, Messi is in second place.

Option B is the correct answer.

| 18	It is impossible for Jes to be next to Gian because it was clearly stated that Gian is in between Angelo and Emmanuel. We do not know if the other options are possible or not because of the limited information but we can conclude that Jes cannot be next to Gian. **Option A is the correct answer.**
19	Listing all the possible combinations to know which one is the cheapest,

		Combinations	Total Payment
Option 1		Pass for 3 days: 2, 3, 4 Pass for 3 days: 5, 6, 7 Pass for 3 days: 8, 9, 10 Pass for 3 days: 11, 12, 13 Pass for 3 days: 14, 15, 16	$275 + $275 + $275 + $275 + $275 = $1,375 Since four of them are going: $1,375 x 4 **= $5,500**
Option 2		Pass for 5 days: 2, 3, 4, 5, 6 Pass for 5 days:7, 8, 9, 10, 11 Pass for 5 days:12, 13, 14, 15, 16	$350 + $350 + $350 = $1,050 Since four of them are going: $1,050 x 4 **= $4,200**
Option 3		Pass for 1 day: 2, 3, 4, 5, 6, 7, 8, 9,10, 11, 12, 13, 14, 15, 16	$190 x 15 = $2,850 Since four of them are going: $2,850 x 4 **= $11,400**

The cheapest valid combination is $4,200. **Option D is the correct answer.**

20	Plotting the production of the three different flavours,
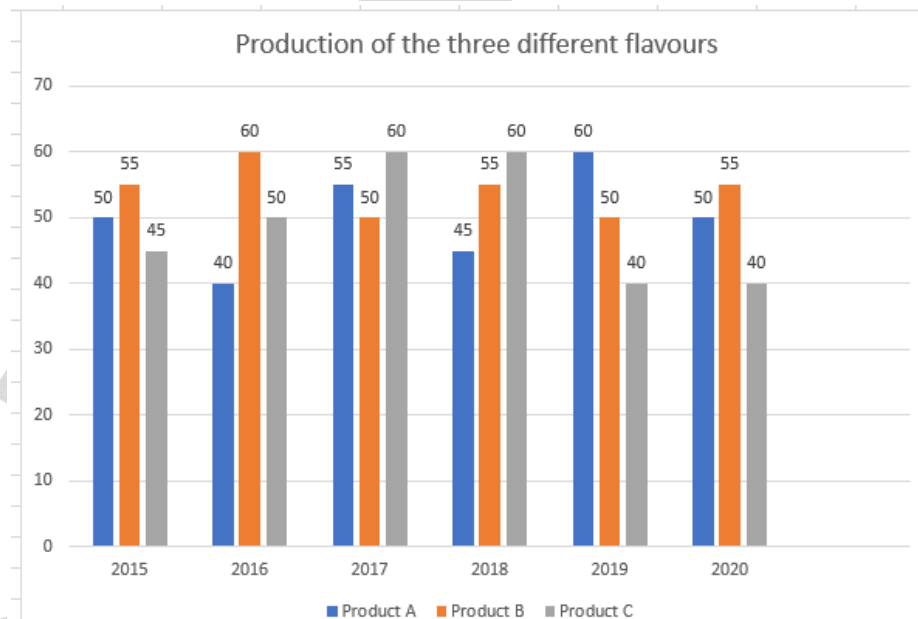
$Total\ production\ of\ Flavour\ C\ in\ 2017\ and\ 2018\ =\ 60 + 60 = 120$
$Total\ production\ of\ Flavour\ A\ in\ 2015\ and\ 2016\ =\ 50 + 40 = 90$
$120\ /\ 90\ =\ 1.3333 \times 100\% = 133.33\%$

Thus, the total production of Flavour C in 2017 and 2018 is 133.33% of the total production of Flavour A in 2015 and 2016. **Option D is the correct answer.**

21	Encoding the word CLASSROOM:

T	H	E
U	I	F

M	I	S	S	I	N	G
N	J	T	U	K	O	H

P	I	E	C	E
Q	L	G	D	H

I	S
M	V

I	N
N	O

T	H	E
W	J	I

C	L	A	S	S	R	O	O	M
E	M	B	W	X	S	P	Q	O

Thus, the code for the word CLASSROOM is EMBWXSPQO.

Option A is the correct answer.

| 22 | Paula's reasoning is correct. It is because she pointed out how reading books improved her performance at school, especially in learning her lessons and achieving good scores during exams. Higher concentration and improved mental focus are things mentioned in the passage, which supports Paula's reasoning. James' reasoning is incorrect because the passage did not mention those people who are not fond of reading books. Being someone who is not fond of reading books does not automatically result in poor academic performance. James' statement is not supported by the given passage.

Option A is the correct answer. |
|---|---|

23	Tallying the number of times each key is pressed to form the word SUFFERING,

S	U	F	F	E	R	I	N	G
7	8	3	3	3	7	4	6	4
4 times	2 times	3 times	3 times	2 times	3 times	3 times	2 times	1 time

The letters S and R use the number 7 and it will be pressed: $4 + 3 = 7\ times$
The letters F and E use the number 3 and it will be pressed: $3 + 3 + 2 = 8\ times$
The letter U will use the number 8 and it will be pressed: $2\ times$
The letter I and G will use the number 4 and it will be pressed: $3 + 1 = 4\ times$
The letter N will use the number 6 and it will be pressed: $2\ times$

Thus, the key that is most pressed most times altogether is 3.

Option B is the correct answer.

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24 By filling up the tiles with missing figures according to the given rules, one can arrive at the answer as seen in the image below.
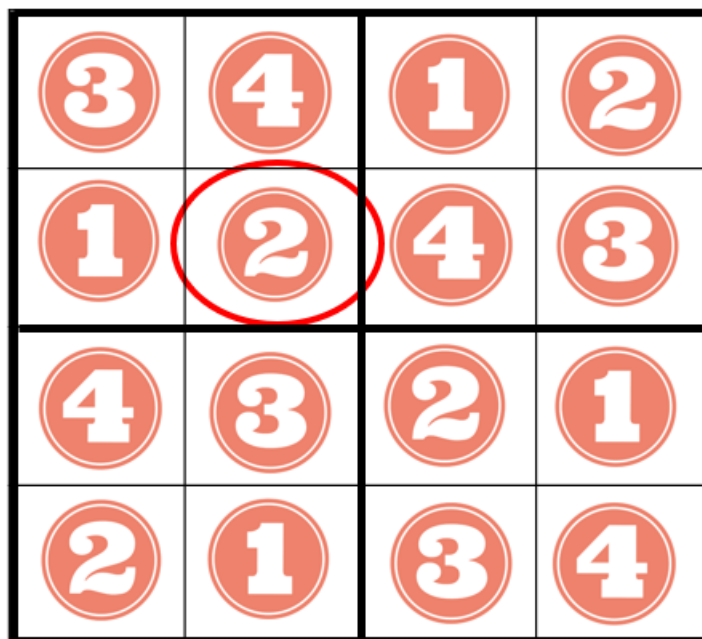
Thus, the figure that replaces the question mark is number 2. **Option B is the correct answer.**

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25 Carl is right as he points out that Axie Infinity should still launch a wide range of investigations to know the hacker and retrieve the funds. The incident can also be a means to upgrade their security features to avoid possible hacks in the future, implying the best course of action. Phoebe's reasoning is incorrect because Axie Infinity cannot just fall down automatically by one hacking incident. Phoebe did not mention any justifiable evidence to support her reasoning, making it incorrect.

Option B is the correct answer.

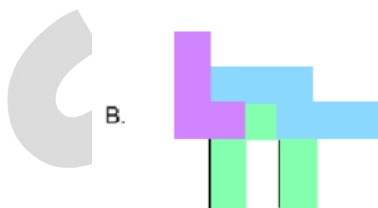| 26	To know Aaron's Paypal account, we must follow first the required conditions stated in the problem,
	- All of Aaron's passwords consist of 7 characters.
	- The password of Aaron's PayPal account has exactly one character different from each of his other three passwords.
	Suppose we compare each answer option to other answer options, we can know the following:
	- Option A is not the correct answer because it has two different characters when compared to Option B and Option D.
	- Option B is not the correct answer because it has two different characters when compared to Option A and Option D.
	- Option C is the correct answer because it has only one different character when compared to Option A, B, and D.
	- Option D is not the correct answer because it has two different characters when compared to Option A and B.
	Thus, 58ZXo2y is the password of Aaron's PayPal account.
	Option C is the correct answer.
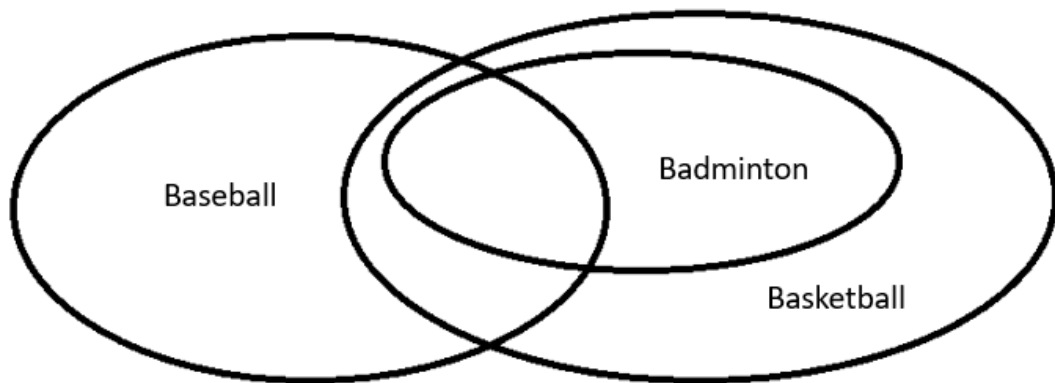
27	
	Statement 3, Statement 4, and Statement 6 are logically related.
	Option B is the correct answer.

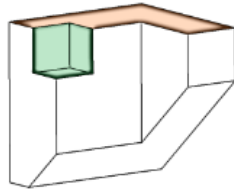| 28	All three shapes were able to fit perfectly in all the figures except in the figure in option D.
	Option D is the correct answer.

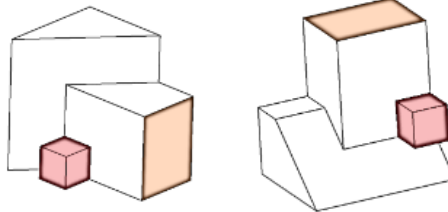| 29	Critical points to notice:

29

Critical points to notice:

- There is a boxed-shaped sunken surface that cuts through the top flat surface.

- This eliminates Option A and Option B as their protruded boxed shape surface is located far from the top flat surface.
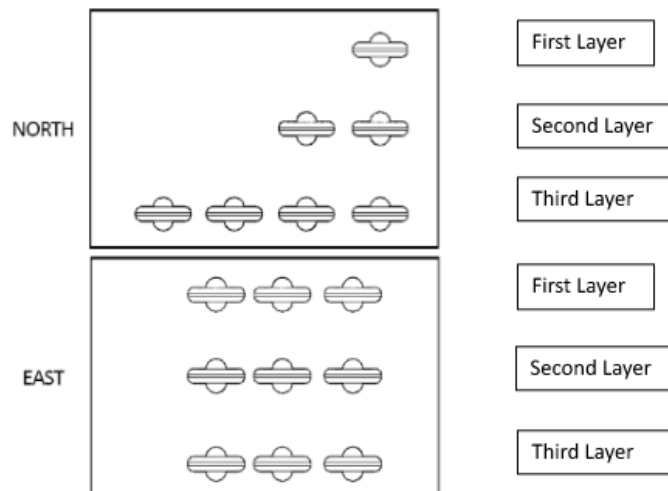

- This eliminates Option C as the boxed shape surface is also sunken which would not fill the sunken part of the given piece, for the boxed shape surface in the correct piece should be protruding.
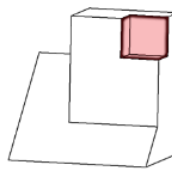
Thus, Only Option D satisfies the conditions and is capable to fit with the given piece and make a complete cube. **Option D is the correct answer.**

30

Solution:

For the First Layer, 1 row is seen at North and 3 rows are seen at East: $1 \, x \, 3 \, = 3$
For the Second Layer, 2 rows are seen at North and 3 rows are seen at East: $2 \, x \, 3 \, = \, 6$
For the Third Layer, 4 rows are seen at North and 3 rows are seen at East: $4 \, x \, 3 \, = \, 12$

Thus, the largest possible number of UFOs in the fleet is: $3 \, + \, 6 \, + \, 12 \, = \, 21$ UFOs. **Option B is the correct answer.**