NO.	QUESTION
1	Allan, Peter, and Cayetano were suspected of leaving their trash on the cafeteria table yesterday.
	George knew that 2 of them are guilty. Before George would admonish them, they made the following
	statements:
	<b>Allan</b> . Peter is guilty
	Peter: Allan is guilty
	Cavetano: Peter is not guilty
	However, only 2 of the three are telling the truth; the other 1 is lying.
	Which of the following statements must be true?
	A. Allan is not guilty but lying
	B. Peter is lying
	C. Allan is guilty and lying
	D. Cayetano is guilty and lying
2	Rodrigo and Roa have their secret code design for communication. The code is a variation on a
	substitution code. A letter is encoded as the following letter in the alphabet when it first occurs in a
	message (A becomes B, Z becomes A). On each subsequent appearance, it becomes the next letter
	again (A becomes C, Z becomes B).
	For example: "ARE YOU AT HOME TODAY?" is encoded as BSF ZPV CU IQNG VREDA?
	Rodrigo is about to text Roa "GET UP ALREADY"
	How will Rodrigo encode the message?
	A. HFU VQ BMSGCEZ
	B. HFU VQ MBSGCEZ
	C. HFU VQ BMSGECZ
	D. HFU VQ BMGSCEZ

3	Benson wants to tell his brother what ice cream flavour he wants to have through a mobile phone.								
	Mobile phones use the following keys for forming words when sending text messages.								
		2 ABC	3 DEF	4 GHI	5 JKL	6 MNO	7 PQRS	8 TUV	9 WXYZ
	To form 3 to be p	the word R	ED, for inst e more.	ance, it rec	quires 7 to	be pressed	three time	s, 3 to be p	pressed twice, then
	Which k	ey is presse	ed the mos	t when the	e word VAI	NILLA is for	med by Ber	nson?	
	А. В. С. D. Е.	8 6 5 4 2							
4	Joshua h	as a 6-digit	code for h	is bike lock	ker and trie	es to memo	orise it.		
	Three of By addin The four The seco The third	the digits and the digit is a the digit is 5 and digit is 4 digit is 4 digit is the	are equal to middle tw 4 less than e same as t	o 5. o digits you the first di he 4th digi	u get the la git. t.	ist two digi	ts.		
	What is	the first di <sub>ễ</sub>	git of Joshu	a's bike lo	cker?				
	А. В. С. D.	4 6 7 9							
5	Harold is figurines past dec	s a craftsma s in the last ade, he hac	n that spec 6 months. d about 432	cialises in r Each figuri 2 pieces of	making Ma ine needec medium-s	rvel action about 6 pi ized plywoo	figures. He ieces of mea od used in p	was able to dium-sized production.	o make 384 plywood. In the

	What is the total number of medium-sized plywood that Harold used this year?
	A. 496
	B. 432
	C. 72
	D. 64
6	A special code uses these two rules in encoding words:
	1. For letters in an <u>odd</u> position, the code will be the letter in its position if the alphabet was reversed. (A will become Z)
	2. For letters in an <u>even position</u> , the code will be the letter found 2 steps before it. (C will become A)
	For example, BREATH is coded as YPVYGF, and AGENDA is coded as ZEVLWY
	How would you code INSANITY?
	A. RLHYMGGW
	B. RLHYGMGW
	C. RLYHMGGW
	D. RHLYMGGW
7	During his internship days at Tesla, Harry created his own set of codes. Below is an example of how his
	code language works:
	'Becoming Conclude Platform Approval' is written as '15@m 13!c 21!f 20@r'
	'Ceremony Bulletin Pursuant Adequate' is written as '33@m 22@l 28@s 13@d'
	'Portable Bachelor Cautious Alliance' is written as '13@t 26@h 27@c 13+l'
	'Announce Casualty Periodic Building' is written as '13+n 33+l 11+r 15!d'
	What is the code for "MUSICIAN"?
	A. 22@s
	B. 14@s

	C.	12+c
	D.	10!c
8	The pro They as Captain	gramme committee for the Avengers Comic Conference 2022 recently conducted a survey. ked the children which superhero they would choose to have a statue constructed: Iron Man, America, Thor, or the Hulk
	The sur	vey findings were as follows:
	1.	None of the students who chose Thor chose Iron Man.
	2.	Most people who chose Iron Man chose Hulk.
	3.	Some people who chose Thor also chose Captain America.
	4.	All who chose Hulk also chose two other options.
	Which	of the following cannot be true?
	A.	Chris chose 3 of the superheros.
	В.	Chris chose 2 of the superheros.
	C.	Chris chose all superheroes except Captain America.
	D.	Chris chose all superheroes except Iron Man.
9	Morbiu	s: "Policemen are the only ones allowed to have a gun."
	A.	If Brian has a gun, he might be a policeman.
	В.	All policemen bring a gun with them responsibly.
	C.	If Michael is not allowed to have a gun, then he is not a policeman.
	D.	If Jackson has a gun in his possession, then he is definitely not a policeman.

10	For their family reunion, Jason asked his sister, Ericka, if she could come to the Nashville Resort, which is 130km away from their home. Jason went first and Ericka had to wait for his brother to tell her that he already arrived at the resort before she departed.								
	Jason's vehicle accelerates at an average speed of 90km/h while Ericka's motorcycle has an average speed of 75km/h.								
	How long will it take Ericka to be at the resort starting from the time that Jason departed?								
	<ul> <li>A. 104 min</li> <li>B. 112 min</li> <li>C. 174 min</li> <li>D. 186 min</li> </ul>	s s s							
11	Jade and Kristor	fer are debaters.	All debaters spea	k loudly. All profe	essional debaters	spend a lot of			
	Kristoffer use pa	arallel model tech	nniques.	modertechnique	s when debating.	. Both Jace and			
	If the informatio	n in the box is tru	ue, whose reason	ing is correct?					
	Brylle: "Athena s Matt: "If Ashley i	peaks loudly and s a poet and uses	uses parallel mod parallel model te	dels, so she could echniques, she's a	be a debater." Ilso a debater."				
	<ul><li>A. Brylle of</li><li>B. Matt on</li><li>C. Both Bry</li><li>D. Neither</li></ul>	nly ly ylle and Matt Brylle nor Matt							
12	In a local Tetris co rounds. Below ar	ompetition in Bel e the results of e	grade, Dominic, A ach round.	aron, and Lucin a	are competing for	5 preliminary			
	Name	Round 1	Round 2	Round 3	Round 4	Round 5			

	Dominic	3rd	2nd	1st	1st	1st			
	Aaron	1st	3rd	2nd	2nd	2nd			
	Lucin	2nd	1st	3rd	3rd	3rd			
	Every 1st place is worth 5 points; 2nd place for 4 points; and 3rd place for 2 points. Aaron is confident that he will never rank in 3rd place for the remaining rounds. What is the minimum points needed for one among all contestants to be guaranteed the win?								
	A. 2								
	B. 3								
	C. 4								
	D. 5								
	Jared was in 4th p Gerald beat 2 peo Vince came imme No one was after	Most consecutive backflips. Jared was in 4th place. Gerald beat 2 people. Vince came immediately before Gerald. No one was after Nash.							
	What place did P	ete finish among	the group?						
	A. 1st								
	B. 2nd								
	C. 3rd								
	D. 4th								
	E. 5th								
14	People have grow	vn more expressiv	ve than ever befo	re when it comes	to showing their	gratitude			
	towards others. G	Gratitude is regula	arly and substant	ially linked to hap	pier lives in posit	ive psychology			
	studies. Receiving	g any words of gra	atitude, such as "	thank you" or "I a	appreciate it" is fo	ound to improve			

	one's ability to experience more joyful feelings, enjoy pleasant memories, maintain excellent health, overcome challenges, and forge close personal bonds.
	Which of the following statements, if true, best strengthens the argument?
	<ul><li>A. Words of gratitude are delightful to hear.</li><li>B. Words of gratitude bring internal motivation.</li><li>C. Words of gratitude offer sympathy and empathy.</li></ul>
	D. Words of gratitude exemplify good moral character.
15	Human interaction is deemed to be fundamentally essential. This interaction enables us to encounter people who are expressive and extroverted. In truth, we will actually be better off in many ways if we are talkative people. We will have the natural ability to connect with others, and many will find us to be approachable.
	Which of the following statements, if true, best weakens the argument?
	<ul> <li>A. Being talkative coerces us to always please other people.</li> <li>B. Being talkative could irritate those who are around us.</li> <li>C. Being talkative paints a picture that we are easy to get.</li> <li>D. Being talkative gives a leeway for others to disrespect us.</li> </ul>
16	When we converse with many friends, we have the opportunity to learn a great deal of new things. Our friends are also a source of information, especially if they live in diverse locations and experience a variety of activities. Therefore, talking to friends every now and then will help us immensely grow as individuals.
	Which of the following statements, if true, best strengthens the argument?
	<ul> <li>A. Having many friends teaches us how to properly communicate with people.</li> <li>B. Having many friends makes it possible for knowledge to accumulate through their gossip.</li> <li>C. Having many friends allows for the exploration of different perspectives and experiences.</li> <li>D. Having many friends enables smart decision-making based on what our peers feel.</li> </ul>
	D. Having many friends enables smart decision-making based on what our peers feel.

17	The act of parents and children sharing a bed is referred to as "co-sleeping," which is regarded as a
	form of practice. While co-sleeping may cause a child to temporarily become dependent on a parent, in
	the long run, it makes them more resilient as it teaches them how to sleep alone when they are older
	and more capable.
	Which of the following statements best concludes the argument?
	A. Co-sleeping strengthens the mental growth of children.
	B. Co-sleeping develops the independence of kids.
	C. Co-sleeping coerces children to cling to their parents.
	D. Co-sleeping tightens the ability of kids to be emotionally mature.
18	
	Celine Dion is known for having a fantastic vocal range when singing. When interviewed during a
	post-event dinner at an awarding ceremony, she was asked what her secret was to having such a
	melodic voice. She said that it was her herbal juice that helped her achieve the vocal range she has
	now. When the interview was publicised, her fans started purchasing herbal juices in the market in
	hopes of getting a good vocal range.
	Cherry: "I will surely have the same vocal range as Celine Dion if I drink this herbal juice regularly."
	Which among the options best describes the flaw in Cherry's statement?
	A. Cherry thought that by drinking herbal juice, she would become more like Celine Dion.
	B. Cherry was relying on the assertions of a person she supports and taking them at face value.
	C. Cherry showed her dedication by following the lead of the other supporters.
	D. Cherry still doesn't understand that dancing would be more beneficial to her than singing.

It is strongly discouraged by the locals for visitors to swim in or even near the waters of Bikini Bottom. Folklore has it that a sea monster lurks beneath the waves, ready to scavenge any unwary explorers. Locals persist in claiming its existence despite the lack of any evidence for it beyond hearsay.



**Isa**: "The presence of the sea monster has not been disputed by anyone who has returned from the shore. It is safe to conclude that it must be real."

## Which among the options best describes the flaw in Isa's tatement?

- A. Is a simply repeated what everyone else was saying and held it to be true.
- B. Is a was surprised by the fact that the sea monster is residing on the shores.
- C. Is a made the assumption that the sea monster was real just because the local residents said it was.
- D. Isa's argument was purely based on the lack of evidence that refutes the existence of the sea monster.





	A.	В.	
	C.	D.	
23	Jules needs a dozen eggs for his ch inability to generate profit, he wan eggs all at once and at the cheapes sell eggs nearby.	eesecake order from a client. Aft ts to cut costs on his pastry prod t price possible. Fortunately, a fr	er a quick turmoil in his business' lucts. He then wants to buy these riend of his knew some shops that
	Shop	Price per Egg	Discount
	Eggs r Us	\$5	40% Off Total Price
	Egg Came Before Chicken	\$4	Buy 6 Get 6 60% Off
	Eggselent	\$3	No Discount
	Which should Jules pick?		
	A. Eggs r Us		
	B. Egg Came Before Chicken		
	C. Eggselent		

Marcus: "I'm on a bu consecutively."	dget, but I still v	want to attend the SEA	games in	Beijing from J	anuary 3 to 12					
One Day Ti	cket	Five Day Ticket (conse	cutive)	Nine Day Ti	cket (consecutive)					
\$20		\$80			\$190					
					_					
If Marcus wants to spend as less as possible, how much will he spend for the SEA games?										
A. \$180										
B. \$170	B. \$170									
C. \$160										
D. \$150										
Sana wanted to build	l a small food sta	all business near a scho	ool zone. T	To strategically	pinpoint which					
types of food she sho	ould sell, she cor	nducted a survey amor	igst stude	nts near the s	chool. The results					
are shown in the tab	le.									
Hotdog with Bun	Ham Sandwid	ch Donuts	м	eat Rolls	Pancake					
421	383	400		440	414					
Sana created a bar ch	nart representat	ion of her survey.								
Mhigh of the fellows	na hay shauta b			hla)						

А	A.	в.	
С		D.	
C p	Carlos is building a robot prototype pair of Aluminum sheets, 4 pieces	e for their Science Fair this weeker of plywood, a set of gloves, and or	nd. He needs the following items ne protective eyewear.
p	Carlos is building a robot prototype pair of Aluminum sheets, 4 pieces ITEM	e for their Science Fair this weeker of plywood, a set of gloves, and or VARIATION	nd. He needs the following items ne protective eyewear. <b>PRICE</b>
p	Carlos is building a robot prototype pair of Aluminum sheets, 4 pieces ITEM	e for their Science Fair this weeker of plywood, a set of gloves, and or VARIATION Standard	nd. He needs the following items ne protective eyewear. PRICE \$10
p	Carlos is building a robot prototype pair of Aluminum sheets, 4 pieces ITEM Aluminum Sheet	e for their Science Fair this weeker of plywood, a set of gloves, and or VARIATION Standard 1100 Aluminum	nd. He needs the following items ne protective eyewear. PRICE \$10 \$22
p	Carlos is building a robot prototype pair of Aluminum sheets, 4 pieces ITEM Aluminum Sheet	e for their Science Fair this weeker of plywood, a set of gloves, and or VARIATION Standard 1100 Aluminum B - Grade	nd. He needs the following items ne protective eyewear. PRICE \$10 \$22 \$6
p	Carlos is building a robot prototype pair of Aluminum sheets, 4 pieces ITEM Aluminum Sheet Plywood	e for their Science Fair this weeker of plywood, a set of gloves, and or VARIATION Standard 1100 Aluminum B - Grade A - Grade	nd. He needs the following items ne protective eyewear. PRICE \$10 \$22 \$6 \$12
C p	Carlos is building a robot prototype pair of Aluminum sheets, 4 pieces ITEM Aluminum Sheet Plywood Gloves Set	e for their Science Fair this weeker of plywood, a set of gloves, and or VARIATION Standard 1100 Aluminum B - Grade A - Grade Red Head Glove Set	nd. He needs the following items ne protective eyewear. PRICE \$10 \$22 \$6 \$12 \$5
C p	Carlos is building a robot prototype pair of Aluminum sheets, 4 pieces ITEM Aluminum Sheet Plywood Gloves Set	e for their Science Fair this weeker of plywood, a set of gloves, and or VARIATION Standard 1100 Aluminum B - Grade A - Grade Red Head Glove Set Bob the Builder Luxury Set	nd. He needs the following items ne protective eyewear. PRICE \$10 \$22 \$6 \$12 \$5 \$10
C p	Carlos is building a robot prototype pair of Aluminum sheets, 4 pieces ITEM Aluminum Sheet Plywood Gloves Set Protective Eyewear	e for their Science Fair this weeker of plywood, a set of gloves, and or VARIATION Standard 1100 Aluminum B - Grade A - Grade Red Head Glove Set Bob the Builder Luxury Set Johnson's Eyewear	nd. He needs the following items ne protective eyewear. PRICE \$10 \$22 \$6 \$12 \$5 \$10 \$10 \$10 \$8





	Monday	Tuesda	у	Wedn	esday	-	Fhursday	Friday
	\$698	\$743		\$8	10		\$934	\$720
29	ONIC Esports was the assessment a	s assessing its tea re as follows:	ım of ga	imers rega	ording the	eir favou	rite mobile §	game. The results of
	Mobile Game	Minecraft	Fortni	te	Warfrar	ne	PUBG	League of Legends
	Number of votes	490	700		35		100	70
	A divided bar cha added to another	r mobile game.	uced of	the result	ts, but vo	tes for L PUBG	eague of Leg	gends were mistakenly frame
	Which mobile ga	ame were the vo	tes of L	eague of L	egends a	added to	o?	
	A. Fortnite B. Minecra C. PUBG	ft						

