

NO. ANSWER

1

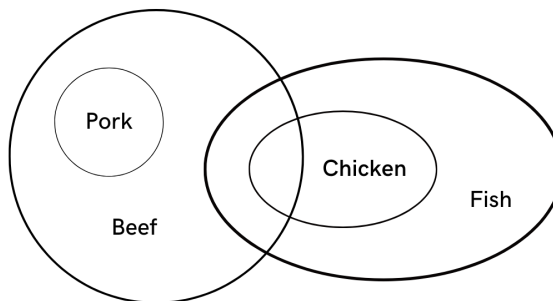
	Odd	Even
A	Z	Y
B	Y	Z
C	X	A
D	W	B
E	V	C
F	U	D
G	T	E
H	S	F
I	R	G
J	Q	H
K	P	I
L	O	J
M	N	K
N	M	L
O	L	M
P	K	N
Q	J	O
R	I	P
S	H	Q
T	G	R
U	F	S
V	E	T
W	D	U
X	C	V
Y	B	W
Z	A	X

POSITION	WORD	CODE
1	E	V
2	C	A
3	X	C
4	E	C
5	L	O
6	L	J
7	E	V
8	N	L
9	T	G

From the code VACCOJVLG, we can derive "EXCELLENT", a misspelt version of the word "excellent"

Option A is the correct answer.

2



Based on the diagram derived from the conditions set, it indicates that only conclusion III is correct. It is already certain that conclusions I and IV are wrong. Conclusion II, however, is a possibility; but, no further conditions support this possibility, so it doesn't follow.

Option D is the correct answer.

3

	LIE			CONDITION:
IF NOT GUILTY	TRUTH			2 GUILTY, 1 LYING
FELICE	FELICE	MARY	RONEA	
MARY	FELICE	MARY	RONEA	
RONEA	FELICE	MARY	RONEA	

Based on the diagram, we can determine that Mary and Ronea are telling the truth. Mary is guilty, but the other one who is also guilty can't be identified. Therefore, the safest and correct conclusion is Felice is the only one who is lying.

If the problem specifically stated "2 GUILTY AND 1 LYING", then we can already say that Mary and Ronea are the two people who are guilty because the other one who is lying is a different person. However, the problem is silent, so the condition we must follow is 2 GUILTY, 1 LYING.

Option D is the correct answer.

4

Roman ranked first = **Roman**, _ _ _ _
 Randy was able to beat three people = Roman, **Randy**, _ _ _
 No one came after Thadeus = Roman, Randy, _ _ , **Thadeus**
 Talla came immediately after Randy = Roman, Randy, **Talla**, _ , Thadeus

Since Randy was able to beat three of them, and that Talla and Thadeus' placements have already been determined, we can identify Thomas' placement as the 4th rank.

Thus, the ranking of the whole group goes as follows:

Roman, Randy, Talla, Thomas, Thadeus

Option A is the correct answer.

5

Christine, just like her friends, started with 12 candies. Since Bea was not able to roll the dice yet, Christine will not get 2 candies from Mae. Mae was also not able to roll the dice at an odd number, so Christine will not give any of her Candies to Bea.

Christine still has 12 candies after two of them rolled the dice.

Option A is the correct answer.

6

The fourth digit is 3 = _ _ _ **3** _ _
 The first digit is the second factor of the fourth digit when it is multiplied by 1 = **3** _ _ 3 _ _
 The sixth digit is twice the number of the first digit = 3 _ _ 3 _ **6**
 The third digit is two less than the sixth digit = 3 _ **4** 3 _ **6**
 The second and fifth digits represent northmost part of a time clock respectively (12) = 3 **1** 4 3 **2** 6

There's six-digit code is 314326

Option B is the correct answer.

7

	Round 1	Round 2	Round 3	Round 4	Round 5	Round 6	TOTAL
Jan	5	2	2	4	2	2	17
Mark	2	4	5	5	5	4	25
Vhan	4	5	4	2	4	5	24

Mark only needs to score 4 points to guarantee a win in the last and final round. Even if Vhan does get a 5 in the next round, he still cannot tie or get past Mark in the standings.

Option B is the correct answer.

8

We must make use of the formula of speed to find out the speed at which their horses accelerate.

$speed = distance/time$

Given:

Distance = 155

Time = 120 minutes (2 hours)

Solution:

Speed = $155/2hrs$

Speed = **77.5km/hr**

Therefore, neither Julius nor Erving are correct. **Option D is the correct answer**

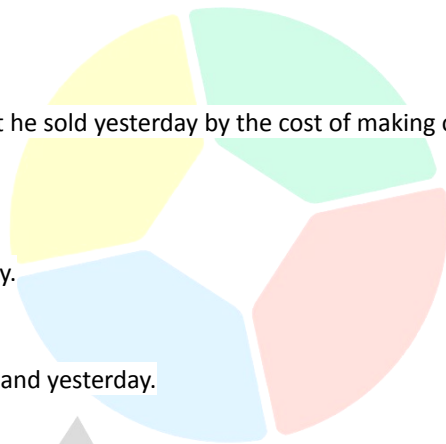
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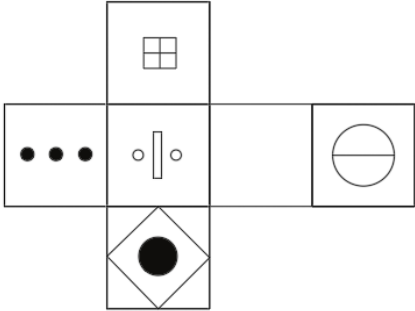
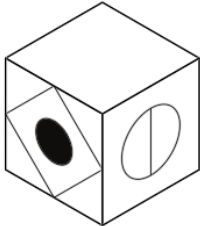
LETTER	KEY	KEY LETTERS	NO. OF PRESSES
P	7	P Q R S	1
E	3	D E F	2
E	3	D E F	2
K	5	J K L	2
A	2	A B C	1
B	2	A B C	2
O	6	M N O	3
O	6	M N O	3

KEY	TOTAL NO. OF PRESSES
7	1
6	6
5	2
3	4
2	3

Option D is the correct answer.

<p>10</p>	<p>We must first multiply the number of burgers he sold from Monday to Thursday by the selling price of each burger to identify how much he made at that time.</p> $\$5 \times 243 = \$1,215$ <p>Then, we divide the total cost that Speed spent on making burgers that he sold yesterday by the cost of making one burger.</p> $\$143.5 / \$3.5 = 41$ <p>Then, we multiply it by \$5 to determine how much he earned yesterday.</p> $41 \times \$5 = \205 <p>Then, we add the amount that Speed made from Monday to Thursday and yesterday.</p> $\$1215 + \$205 = \mathbf{\$1420}$ <p>Option B is the correct answer.</p>
<p>11</p>	<p>If 27 graduates did not receive a medal, then there are 366 graduates who did receive at least one medal. Since these 366 graduates at least have one award, subtracting this from 424 will result in 58 medals. These 58 remaining medals correspond to the number of graduates who received two medals. Subtracting 58 from 366 results in 308.</p> <p>Thus, there are 308 graduates who had one medal only, making Ang's statement correct.</p> <p>Option B is the correct answer.</p>
<p>12</p>	<p>Based on the conditions given in the excerpt, Levi is correct that some Scholarly students wake up early. It is also true that all Scholarly students are energetic. On the other hand, Roxanne's statement is false because not all who have A+ grades are Scholarly students. The excerpt only suggests that some of them are.</p> <p>Option B is the correct answer.</p>
<p>13</p>	<p>Being good at physics is conditional upon being a lawyer. By taking the contrapositive of the statement, it simply means that "A person who is not good at physics is not a lawyer."</p> <p>Option D is the correct answer.</p>
<p>14</p>	<p>The major premise of the argument is that the rise of influencers on social media proves that it is easier for people to become influencers. In addition, it asserts that becoming an influencer can quickly lead to an abundance of opportunities. Option B refutes this claim by implying that being an influencer online takes a lot of time, which is contradictory to the argument's point that it is "easy".</p> <p>Option B is the correct answer.</p>
<p>15</p>	<p>The argument talks about the norm in schools to mandate students to go to school early. It is believed that this teaches children punctuality. Option B best strengthens this premise by adding a layer of analysis as to how the argument becomes true. When kids go to school on time, they get to internalise the importance of respecting other people's time.</p> <p>Option B is the correct answer.</p>



<p>16</p>	<p>The statement in option C best strengthens the argument as it highlights one of the key benefits of having deep bonds in friendships, which is the sense of security and comfort that comes from knowing that you have someone you can rely on. This sense of assurance can lead to personal growth and happiness, as individuals feel more comfortable taking risks and pursuing their goals with the support of their friends. The other statements may also be true, but they do not directly support the argument that friendships inspire personal growth and happiness through mutual care and affection.</p> <p>Option C is the correct answer.</p>
<p>17</p>	<p>The argument talks about how global hunger is getting worse, and how most of those who experience this crisis are women. Option A best concludes this statement as it is the only option to highlight both the increase in world hunger and how the demographics of the victims are mostly women.</p> <p>Option A is the correct answer.</p>
<p>18</p>	<p>The flaw in Angelo’s statement lies in wanting to buy the famous Air Jordan 1 Bred shoes just because all basketball enthusiasts like him are buying themselves a pair. It’s likely that Angelo wouldn’t have wanted to buy the shoes in question, even if they are the best shoes in the market, if the basketball enthusiasts like him aren’t buying one. It’s evident when he said “As a basketball enthusiast myself, there is no reason why I shouldn’t have one.”</p> <p>Option C is the correct answer.</p>
<p>19</p>	<p>Andre questioned Jacob’s platform by bringing up Jacob’s family background. This personal information has no bearing on the quality or substance of Jacob’s platform. Instead of directly commenting on the content and purpose of the platform, Andre chose to bring up an irrelevant case.</p> <p>Option C is the correct answer.</p>
<p>20</p>	<p>Option A is not applicable since the “Diamond” and the “Window Box” should be parallel. Option B is not applicable because of the orientation of the “Circle w/ Line”. Option C is not applicable since the “3-Dot Line” and the “Blank Box” should be parallel. Option D satisfies the condition when the cube is being formed.</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  </div> <div style="text-align: center;"> <p>D.</p>  </div> </div> <p>Option D is the correct answer.</p>

21

A.



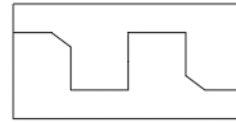
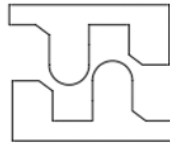
B.



C.



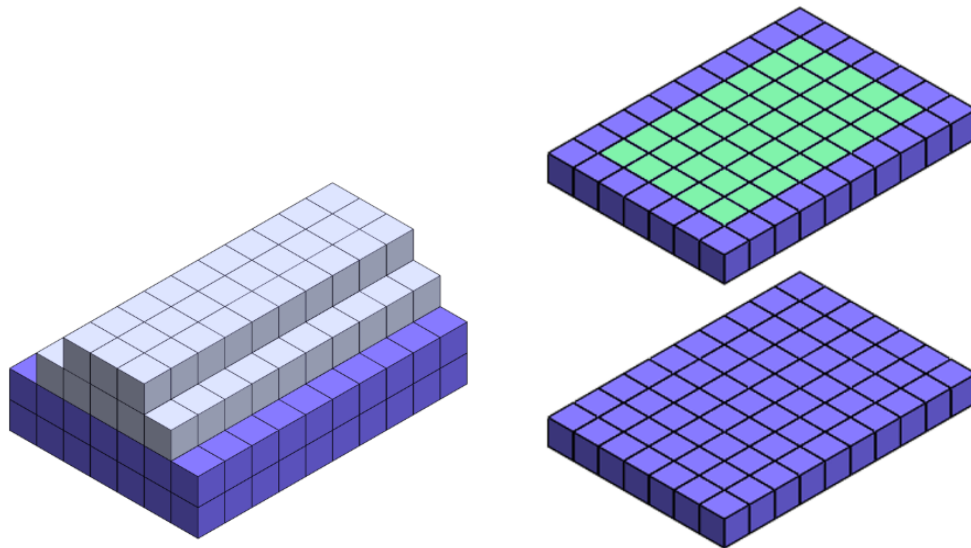
D.



Tiles A and D are the same, and both of them are not suitable for the job. Only Tile C can fit perfectly when assembled, leaving no gaps. **Option C is the correct answer.**

22

If the bottom two layers are the only ones that are immersed, then the 2 layers above are already unpainted.



- For the First and Second Layers, all are unpainted. Total of 80
- For the Third Layer, its outside cubes are all immersed in paint. Thus, we have the inner cubes being unpainted which is a total of 40 cubes.
- All the cubes of the Bottom Layer have at least 1 surface being exposed. Thus, there are no unpainted cubes in this Layer.

In total, we have $220 - 120 = 100$ cubes.

Option B is the correct answer.

23

Shop	Price per bottle of orange Juice	Discount	Total
Sun Top	\$12	40% Off Total Price	$\$12 \times 40 = \480 $\$480 \times 60\% =$ \$288
Tang	\$9	No Discount	$\$9 \times 40 =$ \$360
Nestle	\$15	Buy 10, Get 5 Free	$\$15 \times 10 = 150$ 5 free bottles $\$15 \times 10 = \150 5 free bottles $\$15 \times 10 = 150$ $\$150 + \$150 + \$150 =$ \$450
Tropicana	\$18	45% Off Total Price	$\$18 \times 40 = \720 $\$720 \times 55\% =$ \$396

$$\$450 - \$288 = \$162$$

The difference between the cheapest and most expensive shop is \$162. Therefore, Jan's statement is incorrect. The second cheapest shop is Tang. Therefore, Endrina is correct.

Option B is the correct answer.

24

According to the data given in the table, the number of votes for "Interests" (1100) is significantly larger than that of "Location" (900). However, as can be seen in the pie chart, the portion that "Interests" occupies is lesser than "Location". Thus, the line between Location and Interests is incorrect.

Option C is the correct answer.

25

Since Luis plans to visit the event for the entirety of the first week of the month, we can assume that he will attend the event for seven days consecutively.

He can avail of 2 three-day tickets and 1 one-day ticket.

$$2 \times \$30 = \$60$$

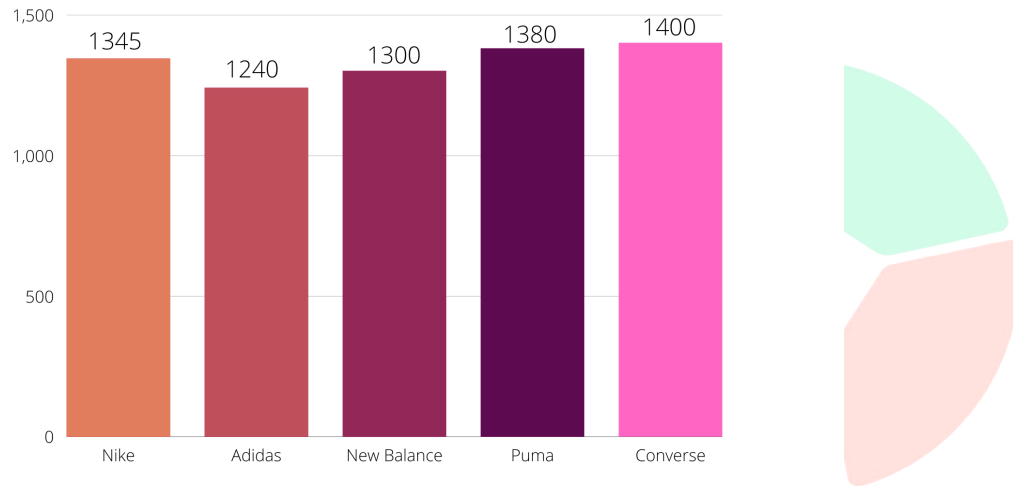
$$1 \times \$12 = \$12$$

$$\$60 + \$12 = \$72$$

The cheapest tickets Luis can spend for costs \$72.

Option A is the correct answer.

26

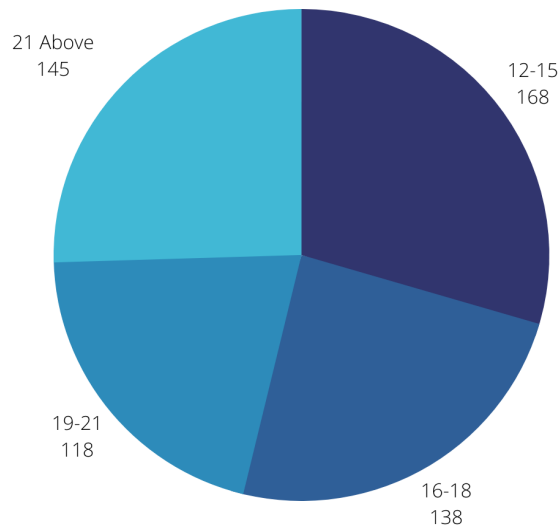


Among all the given tables, option B best represents the data in the chart.

Option B is the correct answer.

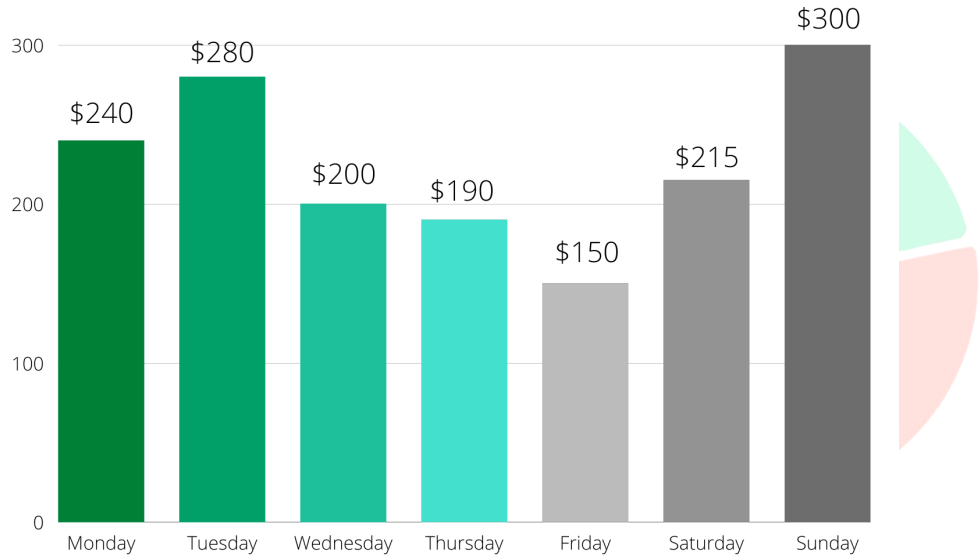
27

AGE RANGE	8:00 - 10:00	10:00 - 12:00	12:00 - 14:00	14:00 - 16:00	16:00 - 18:00	TOTAL
12-15	14	16	25	50	63	168
16-18	15	9	15	43	53	138
19-21	9	8	11	39	51	118
21 Above	23	11	9	49	53	145



Option A is the correct answer.

28



Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
\$240	\$280	\$200	\$190	\$150	\$215	\$300

Option C is the correct answer.

29

RED - Priciest Variation
 GREEN - Cheapest Variation
 WHITE - Neither

ITEM	VARIATION	PRICE	TOTAL
Balloon	Latex	\$3	12 x \$3 = \$36
	Rubber	\$4	12 x \$4 = \$48
Birthday Cake	Red Ribbon	\$25	\$25
	Goldilocks	\$22	\$22
Large Tray of Food	Sierra Catering Services	\$11	5 x \$11 = \$55
	Delta Catering Services	\$14	5 x \$14 = \$70
Party Hat	Plastic	\$3	21 x \$3 = \$63
	Hard Cardboard	\$3	

PRICIEST (\$48 + \$25 + \$70 + \$63 = \$206)

CHEAPEST (\$36 + \$22 + \$55 + 63 = \$176)

\$206 - \$176 = 30

Option B is the correct answer.

30

Student	1st Exam	2nd Exam	3rd Exam	Average
Princess	4	7	3	4.7
Raul	8	8	7	7.7
Diana	7	6	8	7
Mike	8	9	5	7.3
Oscar	7	10	4	7
Almira	6	8	4	6
Yehjen	6	5	3	4.7
Kyla	8	10	7	8.3
Elijah	10	8	9	9
Jeff	7	8	6	7
Vincent	10	8	9	9
Kennedy	9	9	5	7.7

We can derive the average after the three exams by adding all the scores of all three exams of each student and divide by three. Nine students should pass to attain a 75% passing rate. Highlighted averages below are those averages that are greater or equal to 7.

Option C is the correct answer.

31

The main premise of the argument rests on the notion that the increase in food demand in 2050 also entails an increase in garbage wastes in packaging items for poor countries. Therefore, sustainable materials should be used to address this issue. The statement in option A best strengthens this argument by implying that our shift towards recyclable food packaging would lessen our consumption towards plastic food packaging, leaving poor countries with a lesser burden brought about by unsustainable packaging. The other answer options do not directly relate to the argument's main point and do not provide as strong of support for the argument.

Option A is the correct answer.

32

Shown below is the possible arrangement of the stores based on the conditions given.

Forex/Lockers < Lockers/Forex < Joju < HyperX < Goodies/Molly < Goodies/Molly

Among the answer options, only option A can be true. **Option A is the correct answer.**

33 The main argument claims that only scientists are credible regarding the discussion on seasons and the environment. This is best weakened by Option C, which discusses how the thousands of years spent by Indigenous People in Australia allowed them to develop a keen sense when it comes to the variability of nature.

Thus, C is the correct answer.

34 Ivy incorrectly concluded that a cause is related to an effect. Even though she did not have any evidence to support the said claim, she still thinks that the reason why there is an increased case of drowning is due to the national holidays of Australia.

Option A is the correct answer.

35 **Solution:**

$$2 \text{ hours} = 120 \text{ minutes}$$

If 45 minutes was spent in the grocery, Mom would still have $(120 - 45 = 75)$ 75 minutes left.

$$75 \text{ minutes} / 3 \text{ areas} = 25 \text{ minutes}$$

Mom should devote 25 minutes to each area before Dad picks her up. Meaning, 25 minutes for the bookstore, 25 minutes for the shoe section, and 25 minutes for the women section.

Option B is the correct answer.

36 Getting the actual positions of the people in the round table, you will know that C and D are also not possible with the given hints. Clockwise, the arrangement should be Marilyn, Kook, Allen, Shanaia, Kate, Jacques.

Marilyn can't be next to Shanaia because it was stated in the conditions that Shanaia is between Allen and Kate.

Option A is the correct answer.

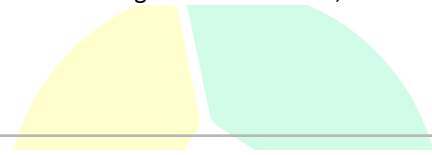
37 The table below shows the letters with their corresponding numbers, frequency (number of each letter), presses (for each letter), and total number of presses.

Numbers	2			3			4			5			6			7			8			9				
Letters	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
Frequency	2	1	1		2		2	2	3			1	1	2	2	2		1		4					1	2
Presses	2	2	3		2		2	4	9			3	1	4	6	2		3		4					3	8
Total Presses	7			4			15			3			11			5			4			11				

It can be seen that the number 4 is pressed the most. **Option B is the correct answer.**

38 The point of the argument is that scientists have discovered a variety of antibiotics that have helped save billions of lives, but bacteria have increasingly been resistant to these treatments due to their continuous adaptation as these treatments are overused and misused. There are other points in the passage, but option A fully summarises the passage as it indicates the adaptive characteristics of bacteria.

Therefore, option A is the correct answer.



Scholar