

NO.	QUESTION
1	<p>Food demand will more than double by 2050. This will certainly increase the quantity of garbage generated by food and its plastic packaging, hence placing poorer countries under enormous strain to manage waste disposal. To address environmental challenges, we need more sustainable materials that can be recycled or biodegraded. Even now, there has been an increase in the use of plant-based polymers.</p> <p>Which among the statements, if true, best strengthens the argument?</p> <ul style="list-style-type: none"> A. Using sustainable materials for food packaging lessens the number of harmful plastics in landfills. B. Food wastes can be reused for energy consumption in households or establishments with the use of technology. C. Plastic packaging has continuously contributed in doubling up society's environmental challenges. D. Recyclable packaging products could save people a lot of money as opposed to using expensive plastic packaging.
2	<p>While writing on a computer saves time because it is a speedier procedure, taking notes by hand enhances pupils' recall and word identification, according to multiple studies. Reading and writing on paper improves conceptual understanding, which is one of the benefits of handwritten notes.</p> <p>Which of the following statements best expresses the main conclusion of the argument?</p> <ul style="list-style-type: none"> A. Taking down notes enhances one's accuracy in jotting down specific learnings and teachings brought by the teacher. B. Writing with a pen and paper enables a student to learn holistically at school. C. Typing on a computer improves a person's ability to comprehend terminologies and complex concepts as opposed to writing down notes on a paper. D. Students are likely to have a better academic performance when they write down their notes instead of typing them on the computer.

3	<p>In times of an economic crisis, developing nations must prioritise its involvement with multinational corporations as opposed to local industries and businesses. Multinational corporations could boost an economy by providing infrastructures, job opportunities, and the like in no time.</p> <p>Which among the statements, if true, best weakens the argument?</p> <ul style="list-style-type: none"> A. Investing more on corporations could significantly decrease a nation’s active incentive to build its own local industries. B. An economic crisis is best answered when people actually work hard in their respective jobs, businesses being competitive in the market, and etc. C. As a developing nation, being heavily reliant on the economic fruits of multinational corporations only leads to short term benefits. When multinational corporations fail, it could potentially downgrade and destabilise economies that relied on them. D. It is more feasible and strategic to focus on the development of local industries and businesses because of how it develops a self-sustaining economy for developing countries in economic crisis.
4	<p>Ivy said, “I want to go swimming this weekend because it’s a national holiday in Australia and I’ll have time to unwind. However, it was reported recently that there has been an increase in drowning cases during holidays among Australian citizens. I don’t want to risk it, so I’ll go to the beach some other time and spend my holiday at home instead.”</p> <p>Which of the following best describes the flaw in the above argument?</p> <ul style="list-style-type: none"> A. Ivy makes the mistake of assuming that a correlation between national holidays in Australia and the increased cases of drowning is proof that one causes the other. B. Ivy prefers safety over swimming. C. Neither the facts nor the argument presented in this paragraph are sufficient to support or refute the assertion being made. D. Swimming is not a high risk activity, therefore Ivy is wrong.
5	<p>Mom went to the mall to get some supplies. She has 2 hours before Dad comes to fetch her. Mom chose to stay at the grocery store for 45 minutes because she needed to visit the bookstore, the shoe section, and the women section.</p>

	<p>How much time should she devote equally to the 3 areas before Dad picks her up?</p> <p>A. 30</p> <p>B. 25</p> <p>C. 20</p> <p>D. 35</p>																
6	<p>Allen, Kate, Shanaia, Kook, Marilyn, and Jacques are sitting around a circular table in the school cafeteria.</p> <p>Jacques is on the right of Marilyn and opposite Allen.</p> <p>Shanaia is between Allen and Kate.</p> <p>Which of the following is not possible?</p> <p>A. Marilyn is next to Shanaia.</p> <p>B. Kook is opposite Kate.</p> <p>C. Kate is next to Marilyn.</p> <p>D. Jacques is next to Kook.</p>																
7	<p>Mobile phones use the following keys for forming words when sending text messages.</p> <table><tr><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td></tr><tr><td>ABC</td><td>DEF</td><td>GHI</td><td>JKL</td><td>MNO</td><td>PQRS</td><td>TUV</td><td>WXYZ</td></tr></table> <p>To form the word RED, for instance, requires 7 to be pressed three times, 3 to be pressed twice, then 3 to be pressed once more.</p> <p>How many presses on the most pressed key are needed to form the word ABSTRACTIONISMS?</p> <p>A. 12</p> <p>B. 13</p> <p>C. 14</p> <p>D. 15</p>	2	3	4	5	6	7	8	9	ABC	DEF	GHI	JKL	MNO	PQRS	TUV	WXYZ
2	3	4	5	6	7	8	9										
ABC	DEF	GHI	JKL	MNO	PQRS	TUV	WXYZ										

8	<p>Ashley: “Most of the time people would see Aira as a discreet person. I disagree because I don’t think she’s that kind of person who likes to keep secrets, she’s very transparent.”</p> <p>Which of the following best expresses the flaw in the argument above?</p> <ul style="list-style-type: none"> A. Aira has failed to look for other ways for people to stop judging her. B. Ashley didn't like Aira in the first place, so she used the fact that she was quiet as an excuse to talk about her. C. Two meanings of a word were used in the argument ambiguously. D. There isn't enough information in this argument to conclude a flaw.
9	<p>Jack: “Ever since I was a little kid, I’ve been trained to play chess competitively. However, I noticed that every time I get ready for a game, my head starts to ache. I have a game scheduled for tomorrow, so I should tell my mum to prepare headache medicine for tomorrow.”</p> <p>Which of the following best describes the flaw in the above argument?</p> <ul style="list-style-type: none"> A. Jack’s conclusion involves self-diagnosis, which is inherently harmful because it may run the risk of him taking the wrong medication. B. Jack prefers chess over his health. C. The information Jack’s argument is based on is inaccurate. D. Jack asserts that the link between chess games and headaches is proof that one causes the other.
10	<p>Three songs — Perfect, Happy, and Beautiful — are played during an art culmination event held on Friday, Saturday, and Sunday. Each song is played at least once during the event but never more than once on a given day. On each day at least one song is played. Songs are played one at a time. The following conditions apply:</p> <ul style="list-style-type: none"> • On Friday Happy is played, and no song is played after it on that day. • On Saturday either Perfect or Beautiful, but not both, is played, and no song is played after it on that day. • On Sunday either Perfect or Happy, but not both, is played, and no song is played after it on that day. <p>Which one of the following could be a complete and accurate description of the order in which the</p>

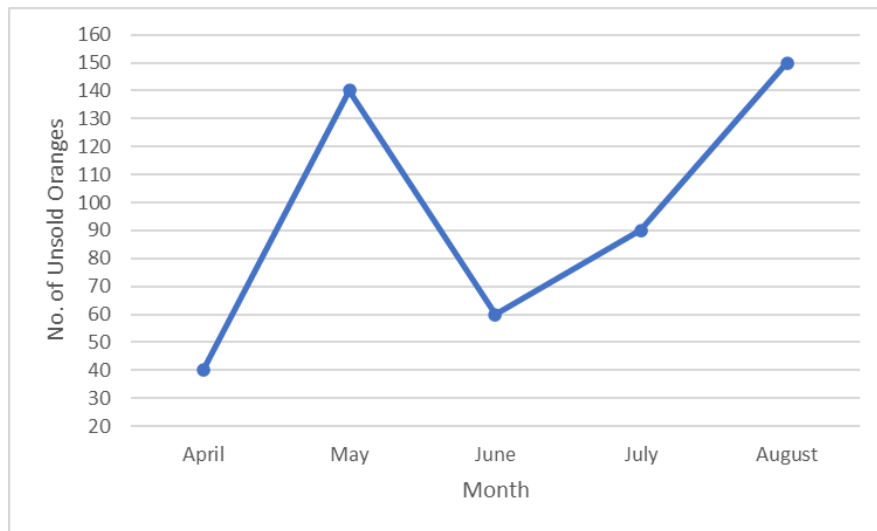
	<p>songs are played at the event?</p> <p>A. Friday: Beautiful, then Happy; Saturday: Beautiful; Sunday: Happy</p> <p>B. Friday: Happy; Saturday: Perfect, then Beautiful; Sunday: Beautiful, then Perfect</p> <p>C. Friday: Happy; Saturday: Beautiful; Sunday: Beautiful, then Perfect</p> <p>D. Friday: Perfect, then Happy, then Beautiful; Saturday: Beautiful; Sunday: Perfect</p>
11	<p>Even in houses without a television, primary school-aged children in metropolitan India have become passionate and frequent watchers of television. As a result, there has been an alarming fall in newspaper readership.</p> <p>If the information above is true, whose reasoning is correct?</p> <p>Carl: "Digitising newspapers results in increasing the readership."</p> <p>Jason: "A team of experts should be sent to India to study the impact of TV on the readership of newspapers."</p> <p>A. Only Carl's reasoning is true.</p> <p>B. Only Jason's reasoning is true.</p> <p>C. Both are true.</p> <p>D. Neither Carl's nor Jason's reasoning is true.</p>
12	<p>"Mental age" has long justified labelling children with specific intellectual problems, such as being "mentally behind" when compared to other kids within the same age bracket. With the introduction of inclusive education, child rights campaigners are now advocating for its abolition in schools. It is now the educator's responsibility to teach these youngsters the necessary learning skills so that they can compete with other pupils who are fortunate enough to be in regular settings.</p> <p>Which among the statements, if true, best strengthens the argument?</p> <p>A. As safe spaces, educational institutions should be friendly and considerate towards the differing mental capacities of different children.</p> <p>B. Mental age tests enable schools to identify students with their abilities to learn and comprehend lessons. Thus, it is rightful to keep intact with the curriculum.</p> <p>C. In order to make education more inclusive, parents should also know about the learning</p>

competencies of their child in comparison to others.

- D. Teachers should be blamed for the impediment of a child's learning performance progression at school.

13

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

14

The image below shows the nutritional facts of Skittles.

Nutrition Facts
Serving Size 1.4 oz (40g about ¼ cup)
Servings Per Container about 3

Amount Per Serving
Calories 160 Calories from fat 15

	% Daily Value*
Total Fat 1.5g	2%
Saturated Fat 1.5g	8%
Trans Fat 0g	
Cholesterol 0mg	0%
Sodium 10mg	0%
Total Carbohydrate 36g	12%
Dietary Fiber 0g	0%
Sugars 29g	
Protein 0g	
Vitamin A 0% • Vitamin C 0%	
Calcium 0% • Iron 0%	

*Percent Daily Values are based on a 2,000 calorie diet. Your daily values may be higher or lower depending on your calorie needs.

	Calories: 2,000	2,500
Total Fat	Less than 65g	80g
Sat Fat	Less than 20g	25g
Cholesterol	Less than 300mg	300mg
Sodium	Less than 2,400mg	2,400mg
Total Carbohydrate	300g	375g
Dietary Fiber	25g	30g

Calories per gram:
Fat 9 • Carbohydrate 4 • Protein 4

MADE OF: SUGAR, CORN SYRUP, HYDROGENATED PALM KERNEL OIL; LESS THAN 2% OF: CITRIC ACID, TAPIOCA DEXTRIN, MODIFIED CORN STARCH, NATURAL AND ARTIFICIAL FLAVORS, COLORS (RED 40 LAKE, TITANIUM DIOXIDE, BLUE 1 LAKE, RED 40, BLUE 2 LAKE, BLUE 1, YELLOW 5 LAKE, YELLOW 5, YELLOW 6), SODIUM CITRATE, CARNAUBA WAX.

Gluten-Free, Gelatin-Free

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what's inside... PER SERVING (ABOUT 3 SERVINGS PER PACK)

	Calories	Total Fat	Sat. Fat	Sugars	Sodium
	160	1.5g	1.5g	29g	10mg
	8% DV	2% DV	8% DV	*	0% DV

GDA's ARE BASED ON A 2,000 CALORIE DIET
To learn more visit www.skittles.com
*No DV defined

Bite Size Candies
Natural & Artificial Flavors

Product shown is not actual size

022000014849

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

15

James and Denise are two old friends who have recently discovered the art of texting. They use a code that they invented many years ago.

The code is a substitution code with a twist. When a particular letter appears for the first time in a message, it is encoded as the next letter in the alphabet (A becomes B, Z becomes A).

On each subsequent appearance, it becomes the next letter again (A becomes C, Z becomes B).

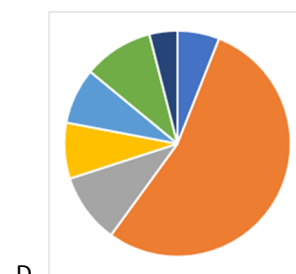
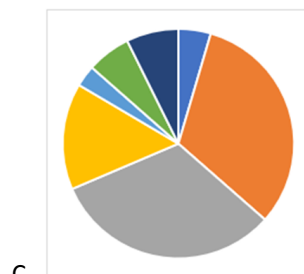
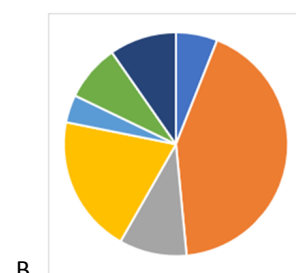
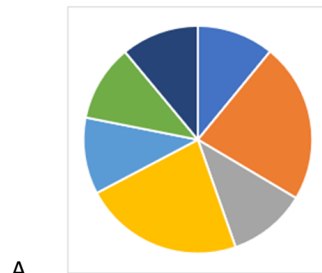
	<p>For example: <i>ARE YOU AT HOME TODAY?</i> is encoded as <i>BSF ZPV CU IQNG VREDA?</i></p> <p>James is about to text Denise with the following message. <i>THERE WILL BE A POWER INTERRUPTION.</i></p> <p>How will James encode this statement?</p> <p>A. UIFSG XJMN DH B QPYIT KOVJUVVRWLQP. B. UIFSG XJMN CH B QPYIT KOVJUVVRWLQP. C. UIFSG XKMN CH B QPYIT KOVJUVVRWLQP. D. UIFSG XKMN CH B QPYIT KOVKUVVRWLQP.</p>
16	<p>Julie always changes the password of her personal computer to keep her brother from using the computer to play video games. She usually uses difficult codes as passwords to make it difficult for her brother to find out the current password of the PC. Her brother knows that she only changes her password in such a way that her current password has exactly one character different from the previous three passwords.</p> <p>Given below are the three previous passwords that her brother found out.</p> <p><i>JB10dL7</i> <i>JB14dP7</i> <i>AB14dL7</i></p> <p>Which among the options below is the possible current password of Julie's PC?</p> <p>A. JB14dL7 B. AB10dL7 C. JB14dL0 D. AB14dL7</p>

17

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?



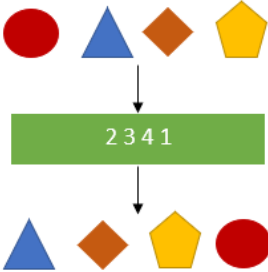
18

All excellent actions share two characteristics. For starters, they are accompanied by emotions of fulfilment. Second, whenever they are widely publicised, they evoke widespread approbation.

If all of the above statements are true, then which of the following can also be true?

- A. An excellent action is solely based on being followed by a sense of fulfilment.
- B. Excellent actions always have to evoke widespread approbation and be accompanied by emotions of fulfilment.
- C. An excellent action that does not evoke widespread approbation is not widely publicised.
- D. There is no excellent action that does not evoke widespread approbation.

19	<p>Pre-workout supplements are marketed as being able to enhance your workout by increasing energy, boosting metabolism, and improving muscle growth. They're usually taken as a tablet or consumed as a drink around 30-45 minutes before a workout. But lack of research makes it difficult for consumers to understand how effective they really are – and whether they do what they claim.</p> <p>Which of the following statements best expresses the main conclusion of the argument?</p> <ul style="list-style-type: none"> A. People aren't open to any new products other than protein shakes when it comes to health and fitness due to lack of research behind it. B. BCAAs are found in most pre-workout supplements in amounts ranging from 400mg to 1500mg. C. Supplements for fitness have become a trend and researchers found greater evidence on how effective it is. D. Pre-workout supplements claim to improve your workout. However, customers may find it difficult to determine how successful they are due to a lack of study and evidence.
20	<p>Statements:</p> <ul style="list-style-type: none"> I. All Spider Men are Thors. II. No Thor is a Captain America. III. Some Captain Americas are Hawkeyes. <p>Conclusions:</p> <ul style="list-style-type: none"> I. Some Thors can be Hawkeyes. II. All Spidermen can be Hawkeyes. <p>Which among the following conclusions follow?</p> <ul style="list-style-type: none"> A. Only Conclusion I follows. B. Only Conclusion II follows. C. Both conclusions follow. D. None of the conclusions follows.

21	<p>Statements:</p> <ul style="list-style-type: none"> I. Some calculators are phones. II. All scales are rulers. III. No ruler is a phone. <p>Conclusions:</p> <ul style="list-style-type: none"> I. All rulers can be calculators. II. All scales can be calculators. <p>Which among the following conclusions follow?</p> <ul style="list-style-type: none"> A. Only Conclusion I follows. B. Only Conclusion II follows. C. Both conclusions follow. D. None of the conclusions follows.
22	<p>In a shape-making factory, shapes are assigned with numbers according to their INITIAL position in a certain arrangement. To form new arrangements, their assigned numbers will be rearranged according to the desired final arrangement.</p> <p>Example:</p> <div style="text-align: center;">  </div> <p>Given the image below:</p>

	<div> </div> <p>Which numbers among the options below should be placed in the green box to generate this final arrangement?</p> <div> <ul style="list-style-type: none"> A. 2413 B. 2431 C. 2134 D. 2314 </div>
23	<p>Given how most hospitals are costly and inaccessible for many, checking up on one’s symptoms to a doctor may not be easy. Therefore, consulting the internet through credible medical websites about one’s symptoms is more cost-efficient.</p> <p>Which among the statements, if true, best weakens the argument?</p> <div> <ul style="list-style-type: none"> A. The diagnosis by a professional doctor would be much more accurate since it would take various processes instead of just a single click on the internet. B. The expertise of doctors is best applied when people consult them regarding their alarming symptoms. C. Symptoms are best described and understood during professional consultations in hospitals and medical centres. D. Consulting online websites could lead one to consume certain medicines that don’t do anything to their body, bringing in more expenses in the event of a misdiagnosis. </div>
24	<p>A scientific discovery holds the prospect of altering brainpower to better mirror the mechanisms through which a computer sorts information. This means that rather than attempting to make computers more human-like, humans will strive to become more like computers.</p>

	<p>If all of the above statements are true, then which of the following can also be true?</p> <ul style="list-style-type: none"> A. Computers utilise data in ways that are intimately related to human brain activities. B. Computerised information processing systems are far less complicated than human cognition. C. Human and computer brains do not process information in the same way. D. Humans can fully comprehend how to think like computers.
25	<p>The television programs geared toward women are jam-packed with a range of recipes and domestic advice. The products stated above may also be found in a large section of women's magazines.</p> <p>If the information above is true, whose reasoning is correct?</p> <p>Jam: "Women are not interested in other things."</p> <p>Kai: "An average woman's primary interest lies at home and especially in the kitchen."</p> <ul style="list-style-type: none"> A. Only Jam's reasoning is true. B. Only Kai's reasoning is true. C. Both are true. D. Neither Jam's nor Kai's reasoning is true.
26	<p>Andy, Bobby and Peter are wearing different colored shirts: red, blue, and yellow. We do not know which among the coloured shirts they are wearing.</p> <p>The guy in the red shirt says, "I am Andy."</p> <p>The guy in the blue shirt says, "I am not Peter."</p> <p>The guy in the yellow shirt says, "I am either Peter or Bobby."</p> <p>If two of them are lying, identify the appropriate colour each person is wearing.</p> <ul style="list-style-type: none"> A. Bobby-Blue, Peter-Red, Andy-Yellow B. Bobby-Blue, Peter-Yellow, Andy-Red C. Bobby-Red, Peter- Blue, Andy-Yellow D. Bobby-Yellow, Peter Red, Andy-Blue

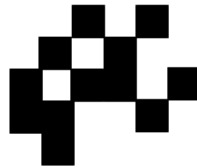
27

Three different shapes are given below:

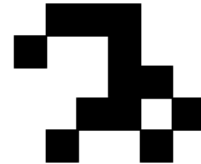


Which of the following figures can be made by combining the 3 shapes above?

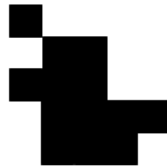
A.



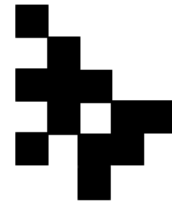
C.



B.

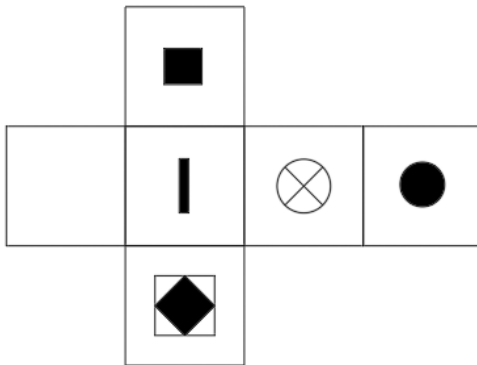


D.



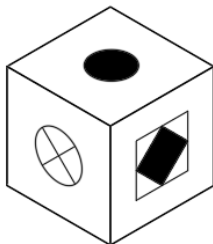
28

A cube will be formed using the cut-out below.

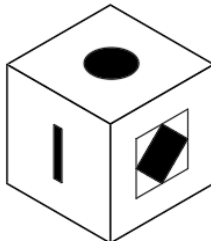


Which one of the following cubes was formed from this cut-out?

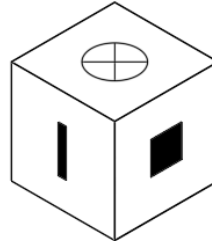
A.



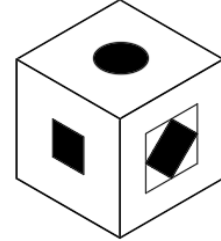
B.



C.

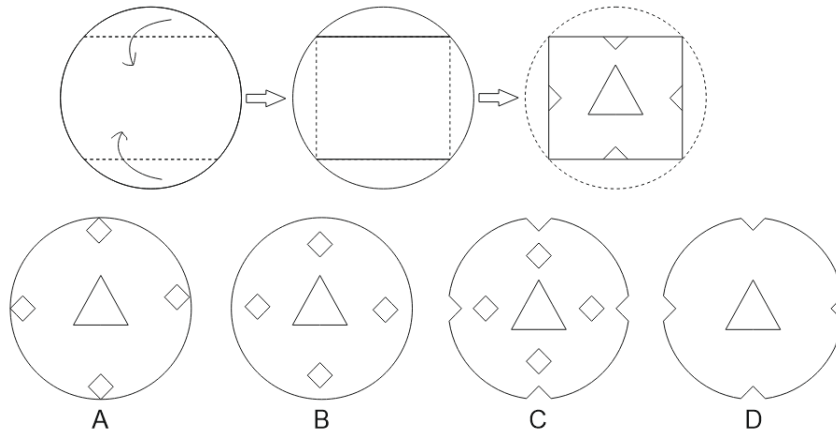


D.



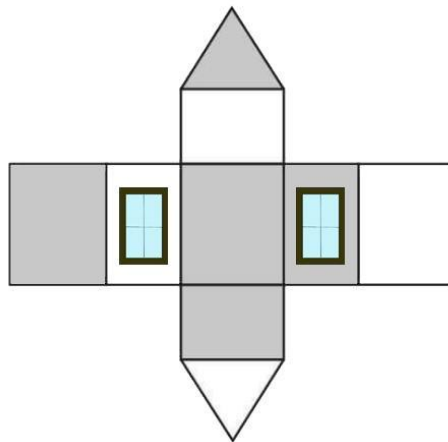
29

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



30

The piece of cardboard shown below folds to form a house for use with a model railway. The other side of the cardboard is black, which forms the inside of the house.



Which of the illustrations below correctly shows the assembled house?

