<table>
<tr><th>NO.</th><th>ANSWER</th></tr>
<tr><td>1</td><td>Based on the statement, only option A is conditional upon Sarah’s remarks, whether she reads her handouts or not. Option A is the contraposition of the original statement.<br><br>Therefore, A is the correct answer.</td></tr>
<tr><td>2</td><td>Naomi: If a phone is wireless, it must be a smartphone. - It was already stated that “most” smartphones are wireless, which means that there are some smartphones that are not. However, even if all smartphones are wireless, we cannot ascertain that all wireless phones are smartphones.<br><br>Mia: If a phone can send text messages, then it must be a smartphone. - Although all smartphones can text messages, we cannot ascertain whether all phones that can text messages are smartphones.<br><br>Neither of the statements are correct.<br><br>Therefore, D is the correct answer.</td></tr>
<tr><td>3</td><td>The point of the passage is that people should establish a business despite the labour and risks involved because the returns are huge. The statement in option A supports and strengthens it best by stating that a person can either gain rewards from success or learn insights from failure. This implies that taking a risk is a win-win situation for people who are going to open their own business because even if they don't benefit from it monetarily, they will still gain valuable business and decision-making skills.<br><br>Option A is the correct answer.</td></tr>
<tr><td>4</td><td>The argument is an example of sunk cost fallacy, which means that the arguer justifies their decision to continue a specific course of action by the amount of money they have already spent on it (even if abandoning the current course of action is more beneficial).<br><br>Therefore, D is the correct answer.</td></tr>
<tr><td>5</td><td>
<table>
<tr><th>SHOP</th><th>PRICE</th><th>PROMO</th><th>TOTAL BILL</th></tr>
<tr><td>Shop A</td><td>$25</td><td>Regular price for 12 coloured pencils</td><td>$25</td></tr>
<tr><td>Shop B</td><td>$2</td><td>15% off on the first five coloured pencils</td><td>$22.50</td></tr>
<tr><td>Shop C</td><td>$3</td><td>Buy 3, get 1</td><td>$27</td></tr>
<tr><td>Shop D</td><td>$2.50</td><td>20% off on the total bill</td><td>$24</td></tr>
</table>
Since Thea wants to spend as little as possible, she should choose Shop B with $22.50.<br><br>Therefore, B is the correct answer.</td></tr>
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| | |
|---|---|
| **6** | Option A is not necessarily true because there is no given statement to indicate any overlap between the two described groups of people. Option B is incorrect because there is also no information to support the claim about the number of superhero cosplays. In fact, others could choose to dress as characters who are neither from an anime nor a superhero. Option C is incorrect as there is also no given information that proves this definite number.<br><br>Option D is correct because there is a possibility that there is no overlap at all between the two described groups of people. In this case, the remaining participants have neither descriptions.<br><br>$300\ total\ -\ (182\ anime\ characters\ +\ 93\ video\ channel)\ =\ 25\ remaining\ participants.$<br><br>And even if there is some sort of overlap, the term "at least" denotes that it is the minimal number possible, so the truth of the statement still stands.<br><br>**Therefore, D is the correct answer.** |
| **7** | The passage states that learning new skills is helpful in life, which is why parents should force their kids to learn new skills every month to help them perform better, especially in school. The statement in option B weakens it best by stating a contradicting statement that overworked kids are exhausted and, as a result, their daily and academic performance are being impaired. It directly contradicts the idea of helping kids perform better in school.<br><br>**Option B is the correct answer.** |
| **8** |  <br>If Abigail likes garlic parmesan, then there is a possibility of her liking the smokey bbq because it was stated that all people who like smokey bbq like garlic parmesan. The answer option only suggests a possibility and not an absolute certainty that Abigail would indeed like the other flavour.<br><br>**Option B is the correct answer.** |
| **9** | FISH - 1213, the possible letter combinations are as follows: F/L/S, A/I/O/Y, F/L/S, D/H/P/T<br>- FISH<br>- SALT<br>CLAM - 8127, the possible letter combinations are as follows: C/N/W, F/L/S, A/I/O/Y, M/V<br>- CLAM<br>KELP - 6513, the possible letter combinations are as follows: K/R, E/J/X, F/L/S, D/H/P/T<br>- KELP<br>TIDE - 3235, the possible letter combinations are as follows: D/H/P/T, A/I/O/Y, D/H/P/T, E/J/X<br>- TIDE<br><br>**Therefore, A is the correct answer.** |

| | |
|---|---|
| **10** | The argument is an example of an Ad hominem fallacy, which means that the arguer invalidates an opposition based on perceived failings of the other person rather than on the merits of the case. Mike did just that. He focused on irrelevant 'personal' points to defend his argument.<br><br>**Therefore, D is the correct answer.** |
| **11** | The main topic of the text refers to Twitter being a service used for sharing information online and it being a platform used by millions. Only option A has a statement based on this.<br><br>**Therefore, A is the correct answer.** |
| **12** | To get the percentage of each ingredient in the pie chart, add the costs and divide each ingredient's cost by the total costs and multiply by 100.<br><br>**INGREDIENT** **SHOP A** **SHOP B** **SHOP C** **SHOP D**<br>Flour $4 15.4% $3 10.0% $6 21.4% $5 18.5%<br>Sugar $2 7.7% $8 26.7% $5 17.9% $7 25.9%<br>Milk $5 19.2% $4 13.3% $2 7.1% $3 11.1%<br>Baking Powder $4 15.4% $1 3.3% $8 28.6% $6 22.2%<br>Eggs $1 3.8% $9 30.0% $3 10.7% $4 14.8%<br>Baking Soda $10 38.5% $5 16.7% $4 14.3% $2 7.4%<br>**TOTAL** **$26** **$30** **$28** **$27**<br><br>**Therefore, D is the correct answer.** |
| **13** | 1,2,3,5,7 = 300+100+100 = 500<br>3,5,7,8,9 = 100+100+300 = 500<br>1,2,9,10,11 = 100+100+300 = 500<br>7,8,9,10,11 = 450<br><br>**Therefore, D is the correct answer.** |
| **14** | Since Ness went before Michelle who was the second user, she is the first user. Then, the next user should be Krish who went before Sally and Gigi.<br>Ness>Michelle>Krish>Sally>Gigi<br><br>**Therefore, B is the correct answer.** |

**15**

Marissa's reasoning is incorrect. Just because a person works does not necessarily mean they want to build their own business. People are working for a lot of reasons. Working does not equate to wanting to build a business. Roldan's reasoning, on the other hand, is correct because it is true that a huge amount of money is needed to build a business. This money would be used for business permits, restaurant creation, and other expenses.

**Option B is the correct answer.**

**16**

| | | |
|---|---|---|
| HE **(R E)** LY | HE(RE) | (RE)LY |
| HO **(S T)** AR | HO(ST) | (ST)AR |
| AU **(R A)** NK | AU(RA) | (RA)NK |
| CO **( I N)** CH | CO(IN) | (IN)CH |

$RE + ST + RA + IN = RESTRAIN$. The word **RESTRAIN** could be formed.

**Option B is the correct answer.**

**17**

His total expenses was $1,800 and 10% of 1,800 is $180. So, his price should be $1,980. As seen in the graph, option B has the nearest value to $1,980.

**Therefore, B is the correct answer.**

**18**

| DOG NAME | | WEIGHT |
|---|---|---|
| Pamu | 65 | 20.5% |
| Peachy | 120 | 37.9% |
| Paws | 34 | 10.7% |
| Plum | 98 | 30.9% |
| TOTAL | 317 | |

**Therefore, B is the correct answer.**

**19**

The argument is an example of a slippery slope fallacy, which means that the arguer claims that a specific series of events will follow one starting point even without any strong evidence.

**Therefore, A is the correct answer.**

**20**

The main conclusion of the argument is that good friendships have a positive impact on health and well-being and can help prevent depression, high blood pressure, obesity, isolation, and loneliness. Additionally, older persons with meaningful relationships and social support tend to live longer than those without. Therefore, the best option that expresses the main conclusion of the argument is A. "Social support and meaningful ties help people live longer because they minimise the risk of health disorders.

Option B says that having friends is one way to minimise the chances of getting sick, which is partially true, but it doesn't capture the full scope of the argument, which focuses on the positive effects of good friendships on health and well-being. Option C states that older people can find friends easier than youngsters because they socialise better as they have already learned the proper way of socialising through the years. While this may be true in some cases, it is not a logical conclusion from the argument presented, which does not compare the socialisation skills of different age groups.Option D mentions the importance of being a good listener to cultivate meaningful friendships, which is a helpful tip, but it does not capture the main conclusion of the argument, which is about the positive impact of good friendships on health and well-being.

**Option A is the correct answer.**

**21**

| **LIST 1** | **LIST 2** | **LIST 3** | **LIST 4** |
|---|---|---|---|
| chocolate | ice cream | bubble gum | candy |
| fruit | biscuit | gummy bear | ice cream |
| candy | gummy bear | lollipop | bubble gum |

Shandee should not choose fruit since it is in the same list as chocolate, and chocolate can only be found in list 1.

**Therefore, A is the correct answer.**

**22**

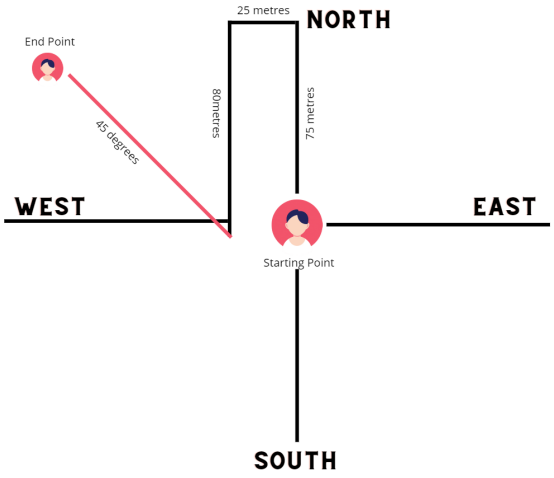
NECK - 8286, the possible letter combinations are as follows: C/N/W, A/E/O/Y, C/N/W, K/R/S
- NECK

FACE - 1282, the possible letter combinations are as follows: F, A/E/O/Y, C/N/W, A/E/O/Y
- FACE

LEGS - 3296, the possible letter combinations are as follows: D/H/L/P/T, A/E/O/Y, G/I/U, K/R/S
- LEGS
- HAIR

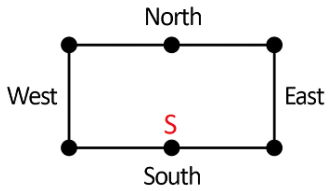
SKIN - 6698, the possible letter combinations are as follows: K/R/S, K/R/S, G/I/U, C/N/W
- SKIN

**Therefore, C is the correct answer.**

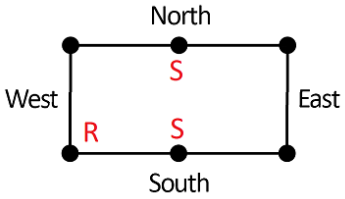
| | |
|---|---|
| **23** | Option B best strengthens the argument above. It directly supports the idea that dining in restaurants is a great way to socialise with friends by highlighting the advantage of avoiding the tediousness of cooking by going to restaurants with ready-to-eat foods.<br><br>Option A does not provide any support for the argument because it contradicts the idea that dining in restaurants is a great way to socialise with friends.Option C acknowledges that people can socialise with friends while cooking together at home but does not support the idea that dining in restaurants is a great way to socialise with friends.Option D is neutral and does not provide any support for the argument. It merely states that people may or may not prefer eating in restaurants.<br><br>**Therefore, B is the correct answer.** |
| **24** | Based on the data, July and August have the same value so the line between these months should be horizontal. Option D satisfies this condition.<br><br>**Therefore, D is the correct answer.** |
| **25** | Luke's reasoning is incorrect because maintenance checks are not the only reason for the fountain being turned off. It is also possible that he only saw the fountain before 6 AM or after 6 PM when it is no longer turned on. Jay's reasoning is correct because it is already stated that it is turned on from 6 AM to 6 PM- a span of time which lasts exactly 12 hours.<br><br>**Therefore, B is the correct answer.** |
| **26** | By looking at the image below, we can see that Masaki stopped in the Northwest.<br>  <br><br>**Option B is the correct answer.** |
| **27** | Anna's reasoning is incorrect because even if having to prepare for an exam the next day can lead to Amy being happy, it does not guarantee the same vice versa. In fact, Amy can be happy for other reasons too. Alex's reasoning is correct because studying at the library is a guaranteed effect of the need to prepare for an exam. Thus, if it did not happen then the cause must also not have happened. The statement is directly contrapositive to the given information.<br><br>**Therefore, B is the correct answer.** |

**28**

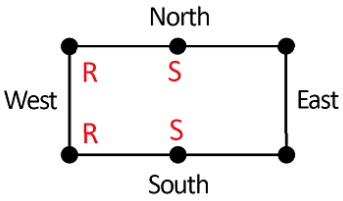
- Know that there are two rubbish bins: **Rubber (R)** and **Steel (S).**
- In the question, it was already given that in the middle of the south side is steel.



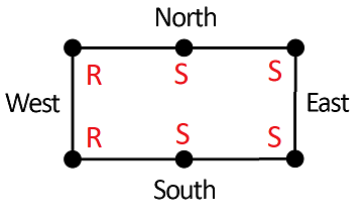

- The third condition says that a rubber bin is placed in the southwest corner. Also, the fourth condition says that the rubbish bin in the middle of the north side is Steel.




- Referring to the second condition, it can be ascertained that the northwest corner has a rubber bin.




- The first condition states that every steel rubbish bin has to be adjacent to at least one of the other steel rubbish bins. Thus, the rubbish bins in the northeast and southeast have to be steel rubbish bins to satisfy the condition.

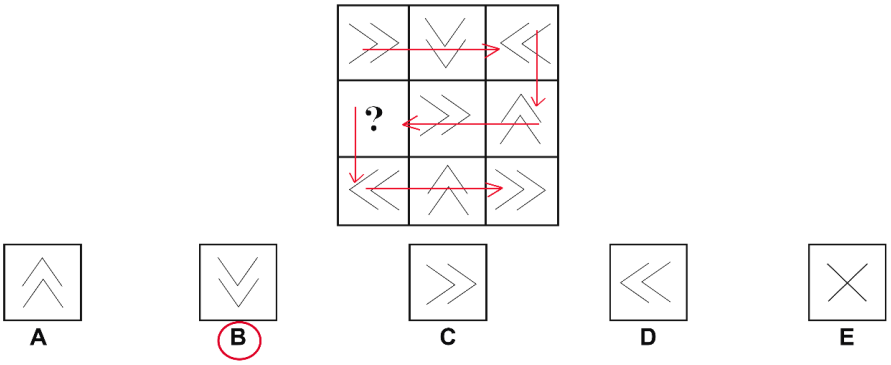



- The final layout satisfies the 5th and 6th condition.

**Option A is the correct answer.**

**29**

**Fill in the missing place**

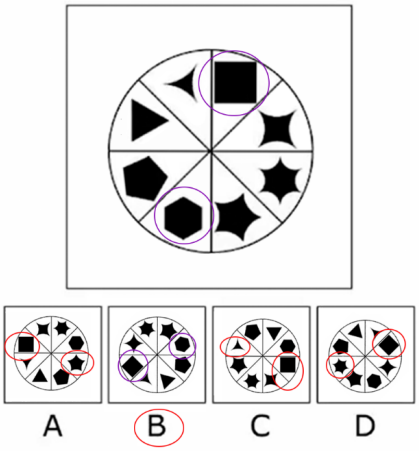



1. Starting from the first row, the arrow moves clockwise, continuing in the second row where the last tile follows the pattern.
2. Continuing the pattern, the third row follows the clockwise movement of the arrows, thus, making B the best fit for the missing tile.

**Option B is the correct answer.**

**30**

Which figure is a rotation of the given object?




Opposite figures

Square is opposite to the pentagon

1. In this problem, look at how the objects or shapes relate to each other. The best shortcut is to look at **opposite figures.**
2. Pick one figure from the pie and look at what's directly opposite to it. In this case, we used the square, and we can see that it is opposite to the pentagon.
3. By using the process of elimination, Options A, C, and D do not follow the pattern because their squares are opposite to an object that is not a pentagon.

**Therefore, Option B is the correct answer.**

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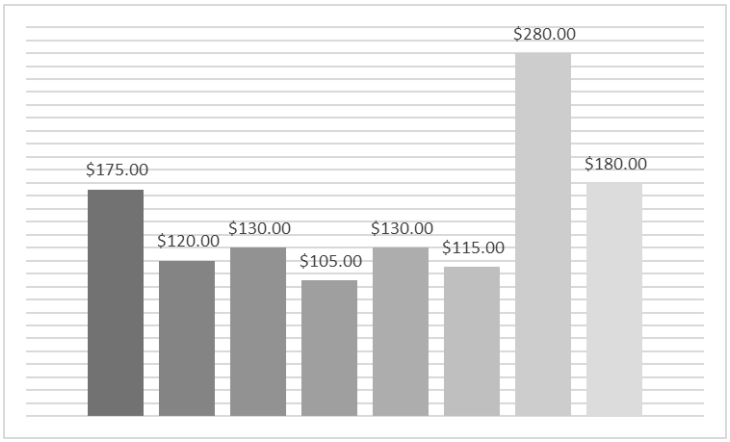
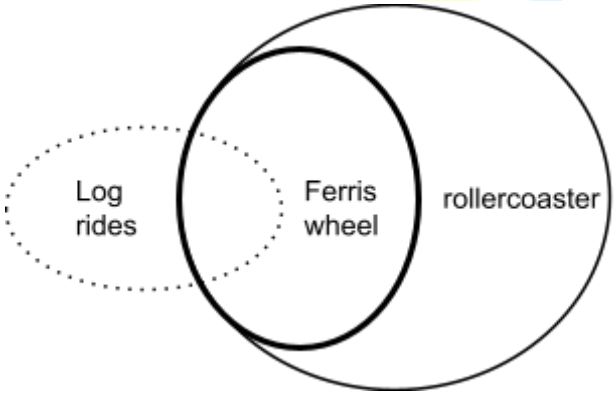
|---|---|
| **31** | Just because a significant quantity of coffee beans are grown in Brazil, it does not mean that Brazil exclusively grows coffee beans and nothing else. Thus, Dale's reasoning is incorrect as many other plants can also be grown in Brazil. John's reasoning is also incorrect because even though all famous coffee beans have caffeine, it does not mean that just because something contains caffeine it automatically makes it a coffee bean. In fact, tea leaves and cocoa beans also contain caffeine.<br><br>**Therefore, D is the correct answer.** |
| **32** | For the other three flavours, Ron would need to make multiple batches.<br><br>Vanilla: $13 * 3 = 39$ vanilla cupcakes baked. $39 - 35 = 4$ vanilla cupcakes unused.<br>Chocolate: $13 * 2 = 26$ chocolate cupcakes baked. $26 - 25 = 1$ chocolate cupcake unused.<br>Coffee: $13 * 4 = 52$ coffee cupcakes baked. $52 - 50 = 2$ coffee cupcakes unused.<br>Peanut butter: $13 - 10 = 3$ peanut butter cupcakes unused.<br><br>$4 + 1 + 2 + 3 = 10$ cupcakes in total will not be used for the party.<br><br>**Therefore, B is the correct answer.** |
| **33** | It can be determined that the increment of each horizontal line in the y-axis corresponds to a value of $10. This is determined using the largest bar which reached the 28th horizontal line. Upon knowing this, the value of each bar can be determined.<br><br>  <br><br><br>It can be seen that there are two bars that show $130 and that no bar shows $135. Thus Ray's data on the chart is incorrect as it should have been $135.<br><br>**Option A is the correct answer.** |

| | |
|---|---|
| **34** | Option A is not true because there is a subset of the class who rode the log rides but did not necessarily go on to the rollercoaster. Option B is also not necessarily true because even if all Ferris wheel riders went on the rollercoaster, the third statement is clear that some people only went on the rollercoaster and nothing else. Option C is also not a guaranteed fact because if some people on the log rides went on the Ferris wheel (and by extension, the rollercoaster too), then there is a subset of individuals who have been on all 3 rides. Being on the rollercoaster does not forbid them from going on log rides.<br><br>Option D must be true because it involves the first statement wherein everyone who was on the Ferris wheel also went on the rollercoaster.<br><br>  <br><br><br>**Therefore, D is the correct answer.** |
| **35** | From the statements, we can be assured that Mark finished before Edward because he finished 30 minutes earlier. Elle is also guaranteed to be behind Edward, as she finished two minutes later than him. Because Sally finished 5 minutes ahead of or earlier than Mark, it is also safe to assume that she finished the earliest so far. And thus the following ranking can be made:<br><br>Sally > Mark > Edward > Elle<br><br>Even though the last statement does not indicate the time that Alex finished, she still finished earlier than 3 of her friends, thus putting her right behind Sally. This means Mark finished third.<br><br>Sally > Alex > Mark > Edward > Elle<br><br>**Therefore, C is the correct answer.** |
| **36** | Charles rolls a 2 - he gives Terry four cups of yoghurt. Terry now has a total of 44 yoghurt cups.<br>Terry rolls a 3 - Terry gives Jake and Charles 6 cups each. Terry gives away 12 cups in total.<br><br>$44 - 12 = 32$ cups of yoghurt left for Terry.<br><br>**Therefore, A is the correct answer.** |

| | |
|---|---|
| **37** | First day: 40% of her collection is on the shelf.<br>End of the first day: Half has been borrowed ($40\% \div 2 = 20\%$)<br>20% of the collection remains on the shelf.<br><br>Second day: 40% is added to the remaining 20%.<br>$40\% + 20\% = 60\%$ of her collection is on the shelf.<br>End of the second day: Two-thirds of the books have been borrowed. Two-thirds of 60 is 40.<br>$60\% - 40\% = 20\%$<br>20% of the original collection remains on the shelf.<br><br>Note how, by bringing 40% of the collection on both the first and the second day, there is only 20% of the original collection she has yet to bring to the classroom.<br>$100\% - 40\% \, (first\ day) - 40\% \, (second\ day) = 20\%$<br><br>Third day: The remaining 20% (of the original collection) is added to the 20% (of the remaining books on the shelf). This makes for a total of 40% or 50 books. To find out the original 100%, divide 50 by 4:<br><br>$50 \, / \, 0.4 = 125$<br><br>Thus, there were 125 books in the original collection.<br><br>**Therefore, A is the correct answer.** |
| **38** | Erik's reasoning is incorrect. It is even stated in the box itself that laboratory experiments also follow strict procedures, thus it is not exclusive to surgery. Charles' reasoning is also incorrect because even if most experiments and surgeries are performed in sterile environments, they are not one and the same. It only indicates that they share this one similar characteristic, and does not prove that one is a subset of the other.<br><br>**Therefore, D is the correct answer.** |
| **39** | Edgar's reasoning is incorrect because even though rain may lead to a pile of dishes in the kitchen, there is no logical link to prove that rain is necessary for the situation to occur. For example, there could have been guests who came over, or others were using the kitchen. Allan is also incorrect because in the information provided in the box, Po trying to make soup is dependent if it rains, saying that it is certain for Po to make soup if it rains does not follow the logic of the information given in the box. Another hint that made Allan's statement incorrect is that he assumed that Po will definitely make soup, as in the box it only says Po will only try.<br><br>**Therefore, D is the correct answer.** |
| **40** | Options A and B are not true because the information does not indicate that being part of the French club automatically enables Emil to climb the Eiffel tower. The only guarantee of being a member is that one will go on the Paris field trip. In fact, there are many factors that can lead to a person not being able to climb, such as conflicts of schedule or medical conditions. Option C is also not true because even if you were part of the field trip to Paris, it does not guarantee that you can climb the Eiffel tower. Being there would certainly help, but it does not automatically grant the ability to do so.<br><br>**Therefore, D is the correct answer.** |