| 1 | **Honey:** "Chia seeds are a good source of fibre and protein, so that's why I decided to add some in my yoghurt for breakfast. However, I noticed a slightly sour taste when I tried it. This must mean that adding chia seeds in yoghurt will make it taste sour."<br><br>**Which of the following best describes the flaw in the above argument?**<br><br>A. Honey depends on her desire to become healthier.<br>B. The information about chia seeds is not enough to conclude anything regarding a person's health.<br>C. Honey made a faulty conclusion implying a causal link between the addition of chia seeds in yoghurt and its sour taste.<br>D. The argument doesn't hold up because Honey has distorted taste buds. |
|---|---|
| 2 | **Dan:** "You should think before you speak, Nima, or else you will hurt other people's feelings. You will not be able to have friends, people will hate you, you will be lonely, and you will not be successful in life."<br><br>**Which of the following best describes the flaw in the above argument?**<br>A. Dan claims that not being cautious of what you say leads to you not having any friends, which, in turn, sets a cycle of unlikely events in motion.<br>B. The conclusion directly contradicts the idea that not being mindful of what you say will cause you to fail in life.<br>C. The argument may not necessarily reflect most people's views about being direct from a small sample.<br>D. Nima has trouble considering other people's feelings, which causes discomfort in his circle of friends and acquaintances. |
| 3 | The world needs balance. Bad people balance out good people. Therefore, bad people are necessary in the world.<br><br>**Which of the following best expresses the flaw in the argument above?**<br><br>A. The accusation about the necessity of bad people is substantiated in this paragraph.<br>B. The passage uses literal meanings of the word 'balance' to come to an illogical conclusion about bad people.<br>C. The conclusion about bad people is founded on the premise that a person's roots define their value.<br>D. The chapter makes a strong case for its position on bad people mostly via the use of emotion. |

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| 4 | **Dave: "**As I walked around the campus last week, I saw a lot of students rocking the 90's style fashion. Seeing a lot of them wearing it made me conclude that it is the best fashion style of all time."<br><br>**Which of the following best expresses the flaw in the argument above?**<br><br>A. Dave is not a credible source to conclude that the 90's style is the "best" fashion style.<br>B. Dave mistook old clothes of the students for the 90's style.<br>C. Dave only concluded that it is the "best" fashion style because he saw a number of people wearing it on his campus.<br>D. The statement lacks information to support the claim. |
| 5 | Marsha is a 12-year old girl who has a little sister named Adine. Marsha gave Adine her new pencils just before she left to go to school for her exams. When Adine arrived at school, she took the exam and she aced it.<br><br>**Adine:** "I used the new pencils Marsha gave me and I aced the exam. New pencils must be lucky."<br><br>**Which of the following best expresses the flaw in the argument?**<br><br>A. Adine assumed that new pencils bring luck even though she does not have enough proof that the pencils are lucky.<br>B. Adine used a broad application that is applied to a single premise. The pencils could be lucky in one case, but it does not always work that way.<br>C. Adine focused on two extremes, either she will use the pencils or she will not take the test.<br>D. The proposition is claimed to be true or good solely because many people believe it to be so. |
| 6 | Getting an education is not cheap. Not only does compulsory attendance boost students' overall performance and stimulate sociability, but it also ensures that the students get the most out of what they are paying. Therefore, if students keep skipping classes, they will waste money.<br><br>**Which of the following statements, if true, best strengthens the above argument?**<br><br>A. Once a student is enrolled in a class, they pay for all classes in a term regardless |

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| | of whether or not they attend. |
| | B. Schools have been known to offer discounts to students who attend all classes in a term. |
| | C. Students forced to attend class will not contribute to discussions or pay attention in class. |
| | D. According to recent studies, students who go to school every day are more likely to have more friends than those who don't. |
| 7 | Bringing valuable items to school is a terrible idea since they are likely to be stolen. That is why school administrators advise students not to lend their gadgets or other valuable items to anyone, even going as far as discouraging them from bringing these items to school to prevent any problems. Because some students use electronic devices such as tablets and laptops to aid them in classes, there is eventually going to be cases of theft if schools don't have stronger policies against it. <br><br> **Which of the following statements, if true, best strengthens the above argument?** <br><br> A. Existing school policies only issue warnings to the students who commit cases of theft, providing little incentive for offenders to reflect on their actions. <br> B. As long as bringing valuable items is permitted, there should be no issue and students should be able to use them in school. <br> C. School policies have not been able to prevent problems of conflict among students. <br> D. Electronic gadgets are far less valuable compared to the books students are required to bring to class. |
| 8 | Illegal downloading usually carries a penalty. In most situations, a large fine is issued but no prison term is sought. Even if the odds of being punished are slim, it is necessary to follow the law when it comes to internet piracy. <br> **Which of the following statements, if true, best strengthens the above argument?** <br><br> A. People commit illegal downloading because they don't want to pay for an album they like. <br> B. From a philosophical standpoint, it has little impact other than lowering music sales. |

| | |
|---|---|
| | C. In addition to any additional costs, the copyright holder may sue you, resulting in legal expenses and damages for illegal downloading.<br><br>D. Copyrighted digital software is downloaded/distributed without the owner's authorization. |
| 9 | Homework gives children independence, initiative, and responsibility for finishing a task, as well as helping them develop self-discipline. Doing schoolwork at home allows children to experience working independently without seeking assistance from classmates or teachers. Therefore, the best and only way to instil discipline and promote independence in children is through homework.<br><br>**Which of the following statements, if true, best weakens the above argument?**<br><br>A. Children can manage distractions and time, delay gratification, and set goals when doing homework.<br>B. Homework should be checked immediately to see if the student learned something in class.<br>C. Homework is known to help students become more well-versed in their lessons.<br>D. Independence and self-discipline is something that can be learned through non-academic activities such as household chores |
| 10 | Sports is defined as an activity involving physical exertion and skill in which an individual or team competes against another. Video games should not be classified as sports since they do not need physical energy or athletic aptitude. Many individuals, however, believe that the level of training, strategy, and mental effort necessary to play video games is comparable to that required in traditional sports.<br><br>**Which of the following statements, if true, best strengthens the above argument?**<br><br>A. Playing video games requires practice, physical effort, and is supported by enthusiastic fans.<br>B. While playing a video game necessitates some skill and coordination, it lacks enough physical characteristics to be considered a sport.<br>C. Playing video games is not just a hobby that entertains people because a lot of people train and spend so much effort in learning it.<br>D. Gamers earn money playing video games just like how some athletes earn in |

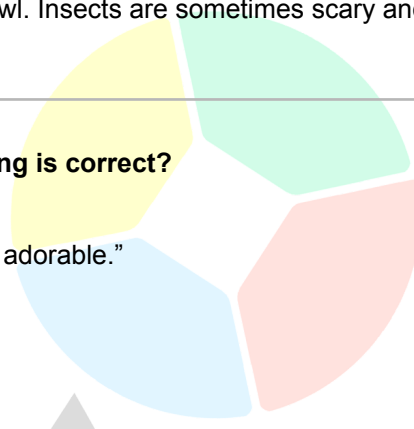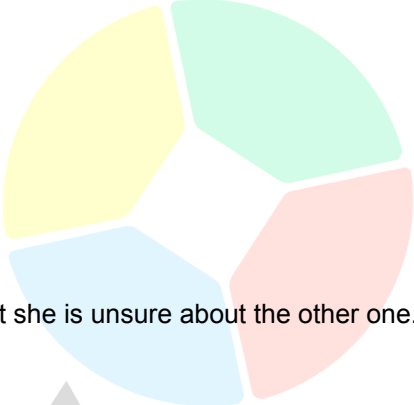| | sports. Therefore, video games are also considered sports. |
|---|---|
| 11 | Insects are small. Some insects fly. Some insects crawl. Insects are sometimes scary and are not adorable. <br><br> **If the information in the box is true, whose reasoning is correct?** <br><br> **Claire**: "Some insects crawl, but not all insects are not adorable." <br> **Charise**: "If a fly is flying, it must be an insect." <br><br>   A. Claire only <br>   B. Charise only <br>   C. Neither Claire nor Charise <br>   D. Both Claire and Charise |
| 12 | Trixie and Allen are playing "Guess the Colour Blue". There are 5 cards with different colours on them; Blue, yellow, red, white and black. <br><br> ● Yellow is to the left of black. <br> ● Red is to the just right of blue which is to the just left of white. <br> ● White is the fifth card. <br><br> **Where is the Colour Blue card?** <br><br>   A. 1st card <br>   B. 2nd card <br>   C. 3rd card <br>   D. 4th card |
| 13 | Yusuke and Yam want to use a code to send secret messages to each other. In the code, each letter of the alphabet is represented by a one-digit number as follows: |

| 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6 | 2 | 4 | 5 | 4 | 3 | 6 | 1 | 3 | 0 | 7 | 8 | 1 | 6 | 8 | 4 | 1 | 0 | 2 | 4 | 7 | 8 | 3 | 6 | 4 | 3 |

For example, the word bell would be written in the code 2-4-8-8.

To test the system, Yusuke writes four words in the code and sends them to Yam. Yam tries to decode them and gets the following answers:

HUGE
EXIT
ZEAL
REAR

Yam is confident she has 3 of these words correctly, but she is unsure about the other one.

**Which word is Yam unsure about?**

    A.  HUGE
    B.  EXIT
    C.  ZEAL
    D.  REAR

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**14**

There are three milk tea flavour options in a local milk tea shop beside the grocery store; Original, Grass Jelly and Red Bean.

- Everyone who likes the Grass Jelly Milktea also likes the Red Bean Milktea
- No one who likes the Red Bean Milktea likes the Original Milk Tea.

**Gerald likes the Red Bean Milktea. Which of the following must be true?**

    A.  Gerald may like the Grass Jelly.
    B.  Gerald does not like any milk tea flavour.
    C.  If Gerald likes the Original Milk tea, then he must also like the Grass Jelly.
    D.  Gerald does not like the Grass Jelly.

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**15**

An octopus has a total of 8 tentacles. A fisherman caught 10 octopuses today and sold 5 octopuses. Yesterday, the fisherman caught a total of 128 tentacles but only 32 tentacles were sold.

**What is the total number of octopuses sold?**

    A.  7

B. 8
C. 9
D. 16

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| 16 | Charles wants to buy 5 Highlighters to use for his school work. There are four shops nearby his school campus that sell the highlighters he needs. The shops, the price of the Highlighters, and any special offers are shown in the following table: |

| Store | Standard price of Highlighters | Special Offer |
|---|---|---|
| Shop A | $4 | Buy 5 get 20% off |
| Shop B | $2 | Buy 3 get 2 free |
| Shop C | $1 | No special offer |
| Shop D | $2.5 | 10% off |

Charles wants to purchase all his Highlighters from the same shop and to spend as little as possible.

**Which shop should Charles buy all his Highlighters from?**

A. Shop A
B. Shop B
C. Shop C
D. Shop D

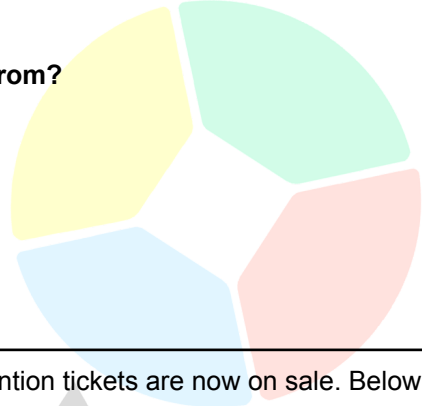| | |
|---|---|
| 17 | For the 5th anniversary of their cooking club, Clea wants to buy 7 pieces of fried chicken. There are four shops that sell the fried chicken she wants. The standard price of the fried chicken and any special offers for each shop are shown in the following table: |

| | Standard price of fried chicken | Special Offer |
|---|---|---|
| Shop A | $5 | 30% off discount on total price |
| Shop B | $6 | Buy 4 Get 3 Free |
| Shop C | $4 | 10% discount on total price |

| Shop D | $7 | No Special Offer |
|---|---|---|

Clea wishes to buy fried chicken from the same shop and spend as little as possible.

**Which shop should Clea buy all her fried chicken from?**

A.  Shop A
B.  Shop B
C.  Shop C
D.  Shop D

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18 | The Luxembourg Accounting and Management Convention tickets are now on sale. Below are the following prices:

| Pass for 1 day | Pass for *5* days (consecutive) | Pass for *10* days (consecutive) |
|---|---|---|
| $ 25 | $ 100 | $ 150 |

Peter always wanted to learn more about accounting and management. He will need a ticket for the convention for the following days of the month: 13, 14, 15, 16, 17, 19, 20, 21.

**How much is the cheapest valid combination Peter could use?**

A.  $ 200
B.  $ 175
C.  $ 150
D.  $ 225

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19 | The robots from Star Wars Inc. had a racing competition on an oval field. Each of the robots had to finish 2 laps around the field. Whichever robot completes the 2 laps in the shortest time wins. Below are the results of the race:

| NAME | LAP 1 | LAP 2 |
|---|---|---|
| R2D2 | 2 minutes and 40 seconds | 2 minutes and 10 seconds |
| R3D3 | 2 minutes and 20 seconds | 2 minutes and 39 seconds |

| | | |
|---|---|---|
| R4D4 | 2 minutes and 27 seconds | 2 minutes and 30 seconds |
| R5D5 | 2 minutes and 31 seconds | 2 minutes and 27 seconds |
| R6D6 | 2 minutes and 29 seconds | 2 minutes and 34 seconds |
| R7R7 | 2 minutes and 45 seconds | 2 minutes and 26 seconds |
| R8R8 | 2 minutes and 18 seconds | 2 minutes and 42 seconds |
| R9R9 | 2 minutes and 19 seconds | 2 minutes and 30 seconds |

**Which robot won the race?**

A. R2D2
B. R9D9
C. R4D4
D. R5D5

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20. Helmae, Mary, Shane, and Johanne were exercising in the gym when they decided to take on a challenge. Each of them will stay in a planking position and whoever holds their body for the longest time(sum of both attempts) wins. Each of them had 2 attempts at the challenge. The results are given below:

| NAME | ATTEMPT 1 | ATTEMPT 2 |
|---|---|---|
| Helmae | 3 minutes and 10 seconds | 3 minutes and 2 seconds |
| Mary | 2 minutes and 50 seconds | 3 minutes and 12 seconds |
| Shane | 3 minutes and 25 seconds | 2 minutes and 57 seconds |
| Johanne | 2 minutes and 45 seconds | 3 minutes and 10 seconds |

**Who won the challenge?**

A. Helmae
B. Mary
C. Shane
D. Johanne

| 1 | In the passage, the addition of chia seeds into yoghurt and its sour taste do not have direct connections. They do not have any causal links. Honey tried to establish the relation between two things when they actually do not have such connections and is just merely a coincidence.<br><br>**Therefore, option C is the correct answer.** |
|---|---|
| 2 | There has been no substantial proof justifying Dan's claim, which implies that not being careful with what you say leads to you not having any friends, which puts in motion a loop of occurrences.<br><br>Therefore, option **A** is the correct answer. |
| 3 | "Bad people balance out good people" was used deliberately to confuse or mislead the reader. In other words, saying one thing but meaning another. Just because bad people balance out good people does not necessarily mean that bad people are needed in the world.<br><br>**Therefore, option B is the correct answer.** |
| 4 | Dave thinks that something is true because other people agree with it. Dave concluded that the 90's style fashion is the best fashion of all time just because a lot of people in the campus were wearing it.<br><br>**Therefore, option C is the correct answer.** |
| 5 | Adine drew an incorrect conclusion about what the cause was without enough evidence. Adine believes that she was able to ace the exam because her new pencils were lucky even though she does not have any proof that can prove that they were. It may be correlated in a way, but there is no causal link to prove her conclusion.<br><br>**Therefore, option B is the correct answer.** |
| 6 | With regards to this question item, it is clear that the statement in option A most strengthens the argument as it ties together the high cost of education and the likelihood of wasting  money by skipping classes. Statement A implies that by paying for the whole term once a student is enrolled, there is already a designated expense for each class regardless of the student attending or not. The point of the argument is not focused on |

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| | the benefits of attending class but on the amount of money lost by not attending them. Although other options may strengthen the conclusion, they are not as relevant for this very reason.<br><br>**Thus, option A is the correct answer.** |
| 7 | The argument mainly talks about the terrible idea of bringing valuable items to school for the reason that schools don't have stronger policies against theft that would protect the students bringing these items. This is strengthened by option A where existing school policies only issue warnings to students who commit theft rather than imposing greater penalties. This ties into the conclusion of the argument that theft cases in school would be inevitable due to the lack of strong policies that would punish offenders. Other answer options are not that relevant.<br><br>**Therefore, A is the correct answer.** |
| 8 | The main argument states that illegal downloading carries a penalty. Option C best strengthens the main argument because it states the possible effects if someone gets caught downloading illegally.<br><br>**Therefore, option C is the correct answer.** |
| 9 | The main point of the argument is about the benefits of giving homework to children is the best and only way to instil discipline since it develops their independence, initiative and responsibility. This is weakened by option D by providing another way of developing independence and self-discipline which involves non-academic activities such as household chores. Although option D does not rebut the benefits of homework, it goes against the idea of homework being the only option to instil self-discipline and independence in children.<br><br>**Therefore, option D is the correct answer.** |
| 10 | Despite the level of training, strategy and mental effort necessary to play video games, the paragraph argues that video games should not be considered as sports. Although video games may be the same in some aspects as traditional sports, option B strengthened the claim by providing other aspects in traditional sports that are not found in video games such as the physical aspects it requires. Other options are not that |

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| | relevant to the main argument.<br><br>**Therefore, option B is the answer.** |
| 11 | C is the correct answer because the statements Claire and Charisse made are both incorrect. Claire is wrong because though some insects crawl, the condition stated that all insects are not adorable. Claire's statement made a double negative impact on the actual meaning of the condition. On the other hand, Charise is also incorrect because not all that flies is an insect as emphasised by the indicator "some".<br><br>**Therefore, option C is the correct answer.** |
| 12 | **Solution:**<br><br>&bull; Yellow is to the left of black.<br>= Yellow card is on the far left, on its right side is the black card.<br><br>&bull; Red is to the just right of blue which is to the just left of white.<br>= Red is on the right, beside the middle card which is the blue card.<br><br>&bull; White is the fifth card.<br><br>The order is Yellow Card, Black Card, Blue Card, Red Card, White Card.<br>The blue card is the third card.<br><br>**Option C is the correct answer.** |
| 13 | HUGE = 1-7-6-4<br>EXIT = 4-6-3-4<br>ZEAL = 3-4-6-8<br>REAR = 0-4-6-0<br><br>Yam is unsure about the word EXIT because once decoded, the numbers would be 4634. And with these numbers, the word CAFE could also be formed.<br><br>**Thus, the correct answer is B.** |
| 14 | We know that Gerald likes the Red Bean Milk tea. We can say that there's a possibility that he also likes the Grass Jelly Milk tea because it was stated in the passage that all people who liked the Grass Jelly also liked the Red Bean. The statement in option B is incorrect because we know |

for a fact that Gerald likes the Red Bean Milk tea so it automatically invalidates the statement in option B. The statements in options C and D are also incorrect because there is no proof that can prove the claim that Gerald does not like the Grass Jelly and we don't know if he likes the Original Milk tea.

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

| 15 | There are a total of 26 octopuses from today and yesterday. 5 of them were sold yesterday and 4 were sold today. In total, there are 9 octopuses sold.<br><br>**Therefore, C is the correct answer.** |
|---|---|

**16**

| Shop | Standard price of Highlighters | Special Offer | Solution |
|---|---|---|---|
| Shop A | $4 | Buy 5 get 20% off total price | 4 x 5 = 20<br>20 x .2 = 4<br>20 - 4 = **16** |
| Shop B | $2 | Buy 3 get 2 free | *Buy 3*<br>2 x 3 = **6** |
| Shop C | $1 | No special offer | 1 x 5 = **5** |
| Shop D | $2.5 | 10% off total price | 2.5 x 5 = 12.5<br>12.5 x .1 = 1.25<br>12.5 - 1.25 = **11.25** |

Charles can buy 5 highlighters at the cheapest price of $5 total from Shop C.

**Option C is the correct answer**

**17**

| Shop | Standard price of fried chicken | Special Offer | Solution |
|---|---|---|---|
| Shop A | $5 | 30% off discount on total price | 5 x 7 = 35<br>35 x .3 = 10.5<br>35 – 10.5 = **24.5** |

| Shop B | $6 | Buy 4 Get 3 Free | Buy 4 only<br>6 x 4 = **24** |
| Shop C | $4 | 10% discount on total price | 4 x 7 = 28<br>28 x .1 = 2.8<br>28 - 2.8 = **25.2** |
| Shop D | $7 | No Special Offer | 7 x 7 = **49** |

Clea can purchase 7 fried chicken at the cheapest price for $24 in total at Shop B.

**Option B is the correct answer.**

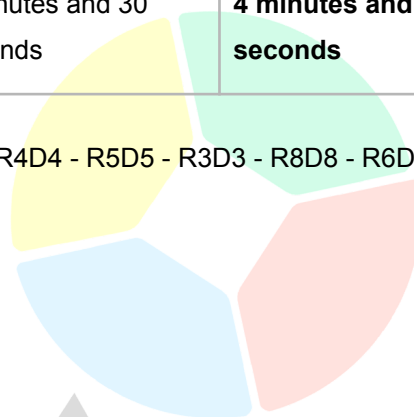| 18 | The cheapest ticket combination for Peter is to buy one pass for 10-days for $150.<br><br>**Option C is the correct answer.** |
|---|---|
| 19 | The robots from Star Wars Inc. had a racing competition on an oval field. Each of the robots had to finish 2 laps around the field. Whichever robot completes the 2 laps in the shortest time wins. Below are the results of the race: |

| NAME | LAP 1 | LAP 2 | TOTAL TIME |
|---|---|---|---|
| R2D2 | 2 minutes and 40 seconds | 2 minutes and 10 seconds | **4 minutes and 50 seconds** |
| R3D3 | 2 minutes and 20 seconds | 2 minutes and 39 seconds | **4 minutes and 59 seconds** |
| R4D4 | 2 minutes and 27 seconds | 2 minutes and 30 seconds | **4 minutes and 57 seconds** |
| R5D5 | 2 minutes and 31 seconds | 2 minutes and 27 seconds | **4 minutes and 58 seconds** |
| R6D6 | 2 minutes and 29 seconds | 2 minutes and 34 seconds | **5 minutes and 3 seconds** |
| R7D7 | 2 minutes and 45 seconds | 2 minutes and 26 seconds | **5 minutes and 11 seconds** |

| | | | |
|---|---|---|---|
| R8D8 | 2 minutes and 18 seconds | 2 minutes and 42 seconds | **5 minutes** |
| R9D9 | 2 minutes and 19 seconds | 2 minutes and 30 seconds | **4 minutes and 49 seconds** |

The order of the race goes as follows: R9D9 - R2D2 - R4D4 - R5D5 - R3D3 - R8D8 - R6D6 - R7D7

R9D9 wins the race.

**Option B is the correct answer**

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**20**

| NAME | ATTEMPT 1 | ATTEMPT 2 | TOTAL TIME |
|---|---|---|---|
| Helmae | 3 minutes and 10 seconds | 3 minutes and 2 seconds | 6 minutes and 12 seconds |
| Mary | 2 minutes and 50 seconds | 3 minutes and 12 seconds | 6 minutes and 2 seconds |
| Shane | 3 minutes and 25 seconds | 2 minutes and 57 seconds | 6 minutes and 22 seconds |
| Johanne | 2 minutes and 45 seconds | 3 minutes and 10 seconds | 5 minutes and 55 seconds |

Shane held on the plank position for the longest time in 2 attempts at 6 minutes and 22 seconds

**Option C is the correct answer.**