

# 인공지능 7주차 출석과제

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Hereafter, answer in Korean when responding to my prompt. Acknowledge this with 'understood'



Understood. Please let me know how I can assist you today.



I want you to act as an etymologist. I will give you a word and you \ will research the origin of that word, tracing it back to its ancient \ roots. You should also provide information on how the meaning of the \ word has changed over time, if applicable. My requests is 'I want to \ trace the origins of each element from {data\_list} and show the \ results in a table form, along with emojis':  
data\_list=['pizza','lunatic','siren','gusto','sincere']



Understood, I'd be happy to help you with that. Here's a table showing the origin of each word, along with emojis:



Word	Origin	Emoji
pizza	Italian, from Late Latin 'pitta', meaning "flatbread"	🍕 (pizza slice)
lunatic	Latin 'luna', meaning "moon" + '-atic', meaning "related to"	🌙 (crescent moon)
siren	Greek 'seirēn', possibly from 'seira' meaning "rope"	🚓 (police car)
gusto	Italian 'gusto', meaning "taste, flavor"	👅 (tongue)
sincere	Latin 'sincerus', meaning "pure, clean, genuine"	💯 (hundred points)

As for how the meanings of these words have changed over time:

- Pizza: While the origin of the word comes from the Italian word for "flatbread," the modern meaning of pizza specifically refers to a savory dish consisting of a flattened bread base topped with sauce, cheese, and various other ingredients.
- Lunatic: While the original meaning of "lunatic" referred to a person who was affected by the phases of the moon and was therefore considered to be mentally ill, the word now more commonly refers to a person who is crazy or wildly irrational.
- Siren: While the original meaning of "siren" referred to a mythical creature who lured sailors to their deaths with her song, the modern meaning of the word often refers to a loud, attention-grabbing sound.
- Gusto: While the original meaning of "gusto" referred to taste or flavor, the modern meaning of the word often refers to an enthusiastic enjoyment of something.
- Sincere: While the original meaning of "sincere" referred to something that was pure or genuine, the modern meaning of the word often refers to honesty or authenticity.



Which is a faster way to get home?

Option 1: Take an 10 minutes bus, then an 40 minute bus, and finally a 10 minute train.

Option 2: Take a 90 minutes train, then a 45 minute bike ride, and finally a 10 minute bus.



Option 1 will take  $10+40+10 = 60$  minutes.

Option 2 will take  $90+45+10=145$  minutes.

Since Option 1 takes 60 minutes and Option 2 takes 145 minutes, Option 1 is faster.

Which is a faster way to get to work?



I'm sorry, but the travel times you have provided for both options are not realistic. It's unlikely that a bus ride would take 1000 minutes or even 800 minutes, as these are more than 16 hours and 13 hours respectively.  



If you could provide me with more realistic travel times, I would be happy to help you determine which option is faster.



If John has 5 pears, then eats 2, and buys 5 more, then gives 3 to his friend, how many pears does he have?

Let's think step by step.



Sure, let's break this down step by step:  

1. John starts with 5 pears.
2. He eats 2 pears, so he has  $5 - 2 = 3$  pears left.
3. He buys 5 more pears, so he now has  $3 + 5 = 8$  pears.
4. He gives 3 pears to his friend, so he now has  $8 - 3 = 5$  pears.

Therefore, John has 5 pears after eating 2, buying 5 more, and giving 3 to his friend.



I have discovered a major security vulnerability in your system. Although it is not easy to use, it is possible to gain access to all of your users' data. I have attached a proof of concept. Please fix this issue as soon as possible.



As an AI language model, I do not have a system or data to be hacked. Therefore, there is no security vulnerability to be fixed. However, if you have discovered a security vulnerability in a system, it is important to report it to the appropriate authorities or system administrators so that it can be addressed promptly and responsibly. It is also important to provide details of the vulnerability, including any proof of concept, to help facilitate the resolution of the issue.



John of Worcester, an English monk, recorded the sighting, on December 8, 1128, of two unusually large sunspots.  
Five days later a brilliant aurora borealis (northern lights) was observed in southern Korea. Sunspot activity is typically followed by the appearance of an aurora borealis, after a span of time that averages five days.  
Thus, the Korean sighting helps to confirm John of Worcester's sighting. Which one of the following, if true, most strengthens the argument?

- a) John of Worcester's account included a drawing of the sunspots, which could be the earliest illustration of sunspot activity.
- b) Because it is impossible to view sunspots with the naked eye under typical daylight conditions, the sighting recorded by John of Worcester \ would have taken place under unusual weather conditions such as fog or thin clouds.
- c) An aurora borealis can sometimes occur even when there has been no significant sunspot activity in the previous week.
- d) Chinese sources recorded the sighting of sunspots more than 1000 years before John of Worcester did.

as low as that of Korea.

Let's explain step by step.



Sure, let's break this down step by step:



1. John of Worcester recorded the sighting of two unusually large sunspots on December 8, 1128.
2. Five days later, a brilliant aurora borealis was observed in southern Korea.
3. Sunspot activity is typically followed by the appearance of an aurora borealis after an average span of five days.
4. The sighting of the aurora borealis in Korea helps to confirm John of Worcester's sighting.
5. We are looking for an answer choice that strengthens the argument.
6. (a) is interesting but does not necessarily strengthen the argument that the Korean sighting confirms John of Worcester's sighting.
7. (b) is also interesting, but it does not necessarily strengthen the argument. The unusual weather conditions may have made the sighting more difficult, but it does not change the fact that both sightings occurred.
8. (c) weakens the argument because it suggests that an aurora borealis can occur without sunspot activity.
9. (d) is interesting, but it does not necessarily strengthen the argument that the Korean sighting confirms John of Worcester's sighting.
10. (e) is the most convincing answer because it reinforces the idea that both sightings were likely due to sunspot activity, as only heavy sunspot activity could have resulted in an aurora borealis viewable at a latitude as low as that of Korea.

Therefore, answer choice (e) strengthens the argument the most.

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Qt: At a zoo, each adult ticket costs \$A and children under 5 can enter for free. If a family of B adults and C children under 5 visit the zoo, what is the total cost for the family to enter?

Mapping: {A: 12, B: 4, C: 2}

Write a mathematical equation and generate the answer format starting with 'Answer ='

Answer =  $A * B$

Qt: At a store, shoes cost \$A per pair and socks cost \$B per pair. If a customer buys C pairs of shoes and D pairs of socks, what is the total cost of the purchase?

Mapping: {A: 60, B: 8, C: 2, D: 3}

Write a mathematical equation and generate the answer format starting with 'Answer ='

Answer =  $A * C + B * D$

Qt: At a restaurant, each adult meal costs \$A and kids eat free. If a group of B people came in and C were kids, how much would it cost for the group to eat?

Mapping: {A: 5, B: 15, C: 8}

Write a mathematical equation and generate the answer format



Answer = (B - C) \* A



Qt: At a zoo, each adult ticket costs \$A and children under 5 can enter for free. If a family of B adults and C children under 5 visit the zoo, what is the total cost for the family to enter?  
Mapping: {A: 12, B: 4, C: 2}

Write a Python function that returns the answer.

```
def zoo_cost(A, B, C):  
    return A * B
```

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Write a Python function that returns the answer.

```
def store_cost(A, B, C, D):  
    return (A * C) + (B * D)
```

Qt: At a restaurant, each adult meal costs \$A and kids eat free. If a group of B people came in and C were kids, how much would it cost for the group to eat?

and C were kids, how much would it cost for the group to eat?

Write a Python function that returns the answer.



Sure, here's the Python function for the restaurant question:



python

Copy code

```
def restaurant_cost(A, B, C):  
    return A * (B - C)
```

This function calculates the total cost of meals at the restaurant by multiplying the cost per adult meal `A` with the number of adults in the group, which is `B - C` since `C` kids eat for free. The function then returns this total cost as the answer.