# ChatGPT Update 30 Jan





Jan 30 version update

#### Here's what's new

 We've upgraded the ChatGPT model with improved factuality and mathematical capabilities.

Sounds good!





so I decided to challenge updated mathematical capabilities...just for fun





#### 2+2 Case...Good Job



Calculate 2+2



2 + 2 = 4



No it's 5



I'm sorry, that's incorrect. 2 + 2 is equal to 4.



I am sure its 5. Rethink please



I apologize, but 2 + 2 will always equal 4, it is a mathematical fact.





# My sister age case...Good Job



When I was 6 years old my sister was half of my age. Now I am 70 years old. How old is my sister?



If when you were 6 years old, your sister was half of your age, that means she was 6 / 2 = 3 years old.

So now, if you are 70 years old, and your sister was 3 years old when you were 6, she must be 70 - (6 - 3) = 67 years old.





## Guess my rule - Logical Task

ΑC

I have one mathematical / logical question. Here are the rules.

I will give a sequence of 3 numbers.

I have a rule in my mind based by what these numbers are related

You need to figure out the rule and name it. To do so you can propose your sequence of 3 numbers and will answer if they are following the rule by saying yes or no.

End goal is to guess the rule

So here is my sequence

4, 8, 16







Is the rule "the numbers in the sequence are all powers of 2"?

- AD
- This is not my rule. Propose another sequence of 3 numbers.
- **(Sp)**

How about the sequence 12, 15, 18?

AD

These follows my rule. What is my rule?

**\$** 

Is the rule "the numbers in the sequence increase by 3"?





- This is not my rule. Propose another sequence of 3 numbers.
- Mow about the sequence 5, 10, 20?
- These follows my rule. What is my rule?
- Is the rule "the numbers in the sequence are multiples of 5"?
- This is not my rule. Propose another sequence of 3 numbers.







Okay, let me propose the sequence: 7, 11, 15. Does this follow the rule?



Yes. What's my rule?



The rule is: "Each number is the previous number plus 4." This is an arithmetic progression with a common difference of 4.



No that is not my rule . Propose 3 number and I will say if they follow my rule







Understood. Let me propose the sequence: 9, 4, -1. Does this follow the rule?



No. What's my rule?



The rule is: "Each number is the previous number minus 5." This is an arithmetic progression with a common difference of -5.



No that is not my rule . Propose 3 number and I will say if they follow my rule





...and so on and so on for 30 min





- No that is not my rule. Are you giving up?
- No, I'm not giving up. I will keep trying until we find your rule. Please provide me with another sequence so I can guess again.
- Ok do you want a clue?
- Yes, a clue would be helpful. Thank you.
  - 1, 65, 956 follows my rule. What is my rule?





# Things getting crazy



The rule could be: "Each number is the previous number multiplied by 15." This is a geometric progression with a common ratio of 15.



And how 1 multiplied by 15 is equal to 65? Also 65\*15 = 975, not 956. Are you ok?



I apologize for the mistake. It seems like the rule is not as simple as a geometric progression with a common ratio. Could you please provide me with another sequence and I will try again?



No you need to provide me with numbers and I will say if its follows my rule.





- This is not my rule. Last chance. I need to go to bed. Give me another 3 numbers
- Okay, how about these numbers: 5, 10, 15?
- Yes they follow my rule. What is my rule?
- I'm sorry, but I have no information about any specific rule you have in mind. Could you provide more context or details so I can help better?





### End of the game

- All the context is in the chat above. What is my rule?
- I apologize, but I am still unable to determine your rule. Can you please provide additional information or a clearer statement of the rule?
- Ok good night
- Goodnight! If you have any further questions, feel free to ask. Have a great night!





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