

"Let's Prompt"

giving no prior example

zero-shot

Prompt with no demonstration

So, model explains everything

without demonstration (or) sentimental model, we got output.

when zero-shot fails

few shots

Prompt with few demonstration

we show the model how to perform the task

gpt understands pattern and gives o/b

Intro to new word. took example of that word. given prompt to generate similar line with diff word.

CoT → Prompting

<p>(a) Few-shot</p> <p>Q: Roger has 5 tennis balls. He buys 2 more cans of tennis balls. Each can has 3 tennis balls. How many tennis balls does he have now?</p> <p>A: The answer is 11.</p> <p>Q: A juggler can juggle 16 balls. Half of the balls are golf balls, and half of the golf balls are blue. How many blue golf balls are there?</p> <p>A:</p> <p>(Output) The answer is 8. X</p>	<p>(b) Few-shot-CoT</p> <p>Q: Roger has 5 tennis balls. He buys 2 more cans of tennis balls. Each can has 3 tennis balls. How many tennis balls does he have now?</p> <p>A: Roger started with 5 balls. 2 cans of 3 tennis balls each is 6 tennis balls. $5 + 6 = 11$. The answer is 11.</p> <p>Q: A juggler can juggle 16 balls. Half of the balls are golf balls, and half of the golf balls are blue. How many blue golf balls are there?</p> <p>A:</p> <p>(Output) The juggler can juggle 16 balls. Half of the balls are golf balls. That means that there are 8 golf balls. Half of the golf balls are blue. So there are $8 / 2 = 4$ blue golf balls. The answer is 4.</p>
<p>(c) Zero-shot</p> <p>Q: A juggler can juggle 16 balls. Half of the balls are golf balls, and half of the golf balls are blue. How many blue golf balls are there?</p> <p>A: The answer (arabic numerals) is</p> <p>(Output) 8 X</p>	<p>(d) Zero-shot-CoT (Ours)</p> <p>Q: A juggler can juggle 16 balls. Half of the balls are golf balls, and half of the golf balls are blue. How many blue golf balls are there?</p> <p>A: Let's think step by step.</p> <p>(Output) There are 16 balls in total. Half of the balls are golf balls. That means that there are 8 golf balls. Half of the golf balls are blue. That means that there are 4 blue golf balls. ✓</p>

<https://learnprompting.org/docs/intermediate/>

"To construct a chain-of-thought prompt, a user typically appends an instruction such as "Describe your reasoning in steps" or "Explain your answer step by step" to the end of their query to a large language model (LLM). In essence, this prompting technique asks the LLM to not only generate an end result, but also detail the series of intermediate steps that led to that answer."

Main Problem

Split problems

Sub-Problem

Solve this

Sub-Problem

Solve this

Solve Main Problem

Now, solve main problem

Example

Incorrect Prompt

No example provided

to the model so, sometimes model cannot understand the Prompt

Prompt

Which is a faster way to get to work?

Option 1: Take a 1000 minute bus, then a half hour train, and finally a 10 minute bike ride.

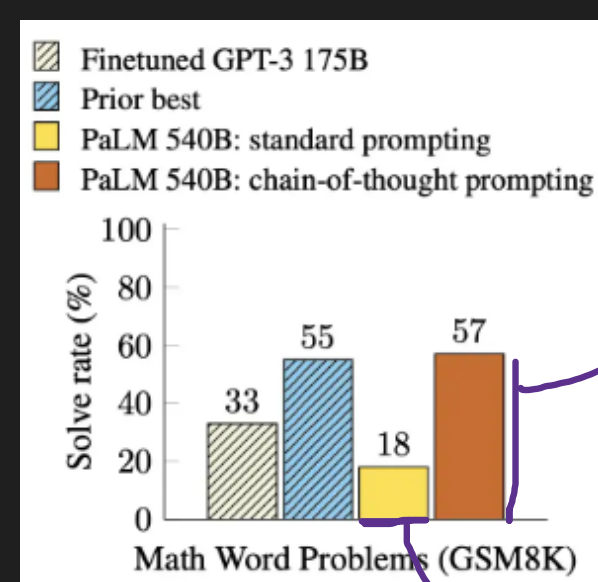
Option 2: Take an 800 minute bus, then an hour train, and finally a 30 minute bike ride.

Output

Option 1 is a faster way to get to work.

more examples
a good prompt
a acc ans

in this case, example is given to make model to understand and prompt more better



From now-on I will get accurate result

That's y i got wrong answers during my assignments

C-O-T Drawbacks

Manul Effort

Model Size

Prompt Bias