All Aboard the Step-by-Step Express

AI can sometimes skip ahead and give you a quick answer-but quick isn't always clear. If you want the AI to "show its work," you need to ask for it. That's where **chain of thought prompts** come in. These are prompts that encourage step-by-step reasoning. Your mission: **take the task prompt below and rewrite it so the AI will explain its thinking in a logical sequence, step by step.** Then, challenge yourself by writing more than one variation.
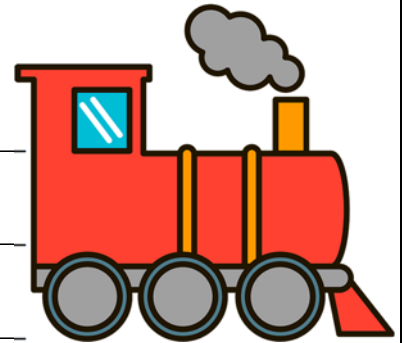
The Task Prompt - "Solve this math problem: A train leaves the station at 3 PM going 60 miles per hour. Another train leaves the same station at 4 PM going 90 miles per hour in the same direction. At what time will the faster train catch up?"

Rewrite the Prompt to Encourage Step-by-Step Reasoning

Variation 1: _____

Variation 2: _____

Variation 3: _____

Reflection

What words or phrases did you add to encourage a step-by-step answer?

_____

_____

Do you think your variations would lead to **longer, clearer explanations** from the AI? Why or why not?

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In what other subjects (history, science, writing, etc.) could step-by-step prompts be useful? Give an example.

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