

Chain-of-Thought Reasoning

Step-by-Step Problem Solving

Why Effective

- ✓ Improves reasoning accuracy
- ✓ Makes process transparent
- ✓ Catches logical errors
- ✓ Better problem decomposition

Best For

- ✓ Math problems
- ✓ Logic puzzles
- ✓ Multi-step analysis

Without CoT

"25 * 14?" → **"350"** (no reasoning shown)

With CoT

"25 * 14? Think step by step."

Step 1: 25 * (10 + 4)

Step 2: (25*10) + (25*4)

Step 3: 250 + 100 = **350**